



dahua
TECHNOLOGY

HDCVI PRODUCT SELECTION

HDCVI Camera / PTZ / HCVR / Accessories / Video Software

2015 4th Quarter



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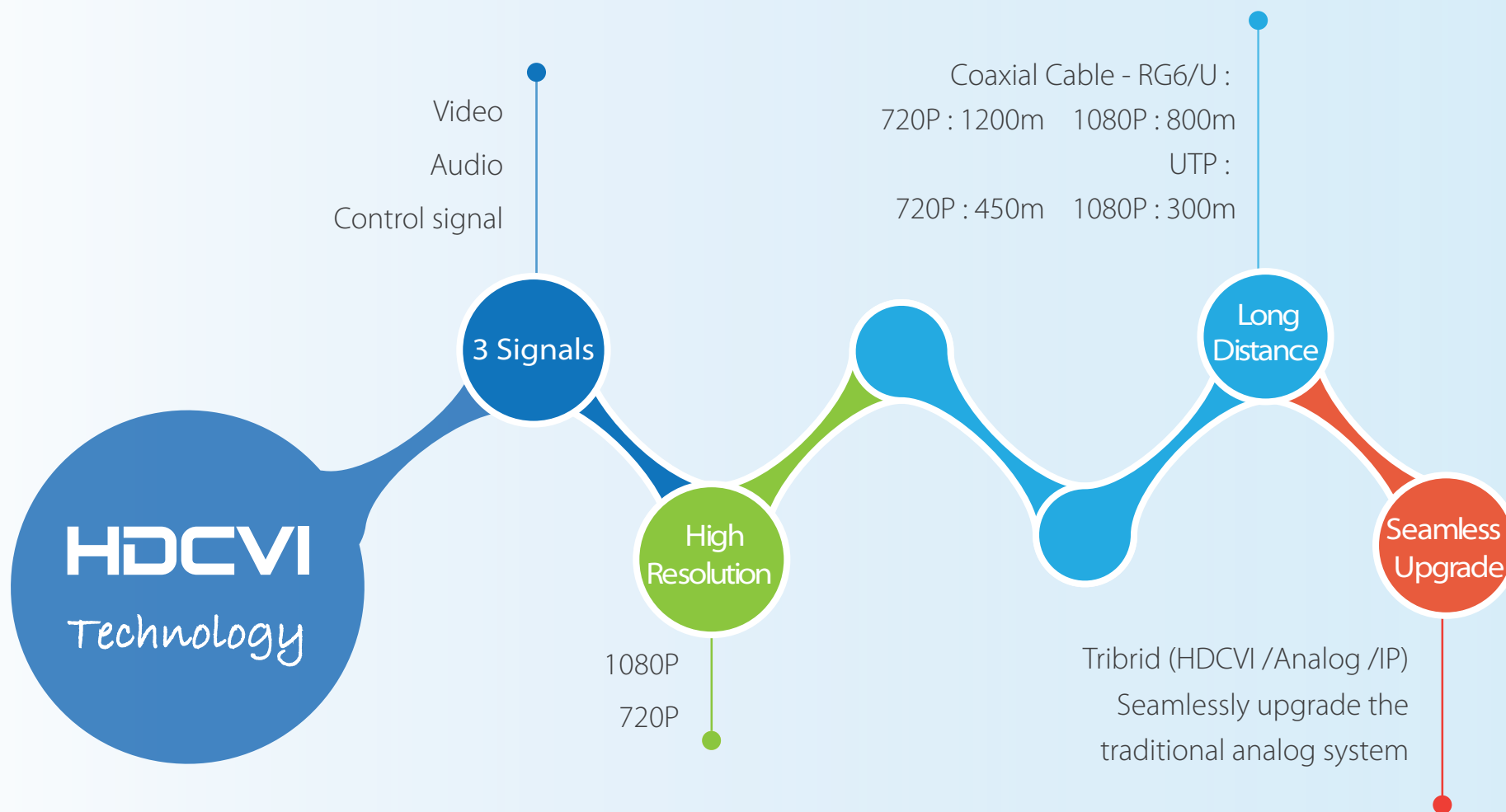
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HDCVI SOLUTION



HDCVI TECHNOLOGY

Dahua Technology releases High Definition Composite Video Interface (HDCVI) technology of independent Intellectual Property Rights. HDCVI is an over-coaxial-cable video transmission standard, allowing reliable long-distance HD transmission and highly applicable deployment at friendly cost.



HDCVI CAMERA



Ultra Series

- Superior image performance: Sony Exmor sensor, Starlight™ ability, true WDR up to 120dB
- Auto-iris motorized lens
- Project-oriented features: multi-language OSD, AC24V/DC12V, optional heater
- Multiple interfaces: audio in, alarm in/out, tester-out interface
- Delicate appearance design

Ultra Series

	1080P Starlight			
	HAC-HF3231E	HAC-HFW3231E-Z	HAC-HFW3231E-ZH	HAC-HDBW3231E-Z
Model				
Image Sensor	1/2.8" 2Mp Exmor R CMOS	1/2.8" 2Mp Exmor R CMOS	1/2.8" 2Mp Exmor R CMOS	1/2.8" 2Mp Exmor R CMOS
Min. Illumination	0.008Lux/F1.4	0.008Lux/F1.4, 0Lux IR on	0.008Lux/F1.4, 0Lux IR on	0.008Lux/F1.4, 0Lux IR on
Lens	C/CS, Auto Iris	2.7~12mm Motorized, Auto Iris	2.7~12mm Motorized, Auto Iris	2.7~12mm Motorized, Auto Iris
Angle of View	-	H: 100°~34°	H: 100°~34°	H: 100°~34°
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	-	50m, Smart IR	50m, Smart IR	50m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P
Video Output	HD/SD Dual-output	HD/SD Dual-output, Tester-out	HD/SD Dual-output, Tester-out	HD/SD Dual-output, Tester-out
Audio In	1	1	1	1
Alarm In/Out	1/1	1/1	1/1	1/1
Pan/Tilt/Rotation	-	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~355°/0°~85°/0°~355°
Ingress Protection	-	IP67	IP67	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-40°C~+60°C	-30°C~+60°C
Power	AC24V±25%/DC12V±25% Max 6W	AC24V±25%/DC12V±25% Max 7.5W	AC24V±25%/DC12V±25% Max 13W	AC24V±25%/DC12V±25% Max 8.4W

Ultra Series							
	1080P Starlight	1080P					Pinhole
	HAC-HDBW3231E-ZH	HAC-HF3220E	HAC-HFW3220E-Z	HAC-HFW3220E-ZH	HAC-HDBW3220E-Z	HAC-HDBW3220E-ZH	HAC-HUM3121B
Model							
Image Sensor	1/2.8" 2Mp Exmor R CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3.2" 1.3Mp CMOS
Min. Illumination	0.008Lux/F1.4, 0Lux IR on	0.05Lux/F1.4	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F2.8
Lens	2.7~12mm Motorized, Auto Iris	C/CS, Auto Iris	2.7~12mm Motorized, Auto Iris	2.7~12mm Motorized, Auto Iris	2.7~12mm Motorized, Auto Iris	2.7~12mm Motorized, Auto Iris	3.6mm
Angle of View	H: 100°~34°	-	H: 93°~35°	H: 93°~35°	H: 93°~35°	H: 93°~35°	H: 70°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	Electronic
Max. IR Distance	50m, Smart IR	-	50m, Smart IR	50m, Smart IR	50m, Smart IR	50m, Smart IR	-
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB True WDR	DWDR	DWDR	DWDR	DWDR	DWDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Dual-output, Tester-out	HD/SD Switchable	HD/SD Switchable, Tester-out	HD/SD Switchable, Tester-out	HD/SD Switchable, Tester-out	HD/SD Switchable, Tester-out	HD/SD Switchable
Audio In	1	1	1	1	1	1	1
Alarm In/Out	1/1	1/1	1/1	1/1	1/1	1/1	-
Pan/Tilt/Rotation	0°~355°/0°~85°/0°~355°	-	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~355°/0°~85°/0°~355°	0°~355°/0°~85°/0°~355°	0°~360°
Ingress Protection	IP67, IK10	-	IP67	IP67	IP67, IK10	IP67, IK10	-
Working Temperature	-40°C~+60°C	-30°C~+60°C	-30°C~+60°C	-40°C~+60°C	-30°C~+60°C	-40°C~+60°C	-30°C~+60°C
Power	AC24V±25%/DC12V±25% Max 9.6W	AC24V±10%/DC12V±10% Max 6W	AC24V±10%/DC12V±10% Max 7.5W	AC24V±10%/DC12V±10% Max 13W	AC24V±10%/DC12V±10% Max 8.4W	AC24V±10%/DC12V±10% Max 9.6W	DC12V±25% Max 2.5W

Pro Series

- Flagship products, adopting high performance ISP and image sensor
- True WDR up to 120dB, clear image with rich details even under backlighting
- Motorized/vari-focal/fixed lens models of 10+ original Dahua design
- Multi-language OSD and HD/SD output suit for different applications

Pro Series

	1080P True WDR			
	HAC-HFW2221R-Z-IRE6	HAC-HDBW2221R-Z	HAC-HDW2221R-Z	HAC-HFW2221D
Model				
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS
Min. Illumination	0.03Lux/F1.4, 0Lux IR on	0.03Lux/F1.4, 0Lux IR on	0.03Lux/F1.4, 0Lux IR on	0.03Lux/F2.0, 0Lux IR on
Lens	2.7~12mm, Motorized	2.7~12mm, Motorized	2.7~12mm, Motorized	3.6mm(6mm, 8mm, 12mm Optional)
Angle of View	H: 104°~35°	H: 104°~35°	H: 104°~35°	H: 89.9°(59.4°/41.4°/26.5°)
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	60m, Smart IR	30m, Smart IR	60m, Smart IR	80m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P
Video Output	HD/SD Dual-output	HD/SD Dual-output	HD/SD Dual-output	HD/SD Dual-output
Audio In	-	-	-	-
Alarm In/Out	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~87°/0°~360°	0°~355°/0°~75°/0°~355°	0°~360°/0°~67°/0°~360°	0°~360°/0°~87°/0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±25% Max 6W	DC12V±25% Max 5W	DC12V±25% Max 5W	DC12V±25% Max 6W

Pro Series								
	1080P True WDR				1080P/720P			
Model	HAC-HFW2221E	HAC-HDBW2221E	HAC-HDBW2221F	HAC-HDW2221E	HAC-HFW2220R-VF/Z-IRE6	HAC-HFW2120R-VF/Z-IRE6	HAC-HFW2220R-VF/Z	HAC-HFW2120R-VF/Z
								
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Min. Illumination	0.03Lux/F2.0, 0Lux IR on	0.03Lux/F2.0, 0Lux IR on	0.03Lux/F2.0, 0Lux IR on	0.03Lux/F2.0, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.01Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.01Lux/F1.4, 0Lux IR on
Lens	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (6mm, 8mm Optional)	2.7~12mm, Manual(-VF), Motorized(-Z)	2.7~12mm, Manual(-VF), Motorized(-Z)	2.7~12mm, Manual(-VF), Motorized(-Z)	2.7~12mm, Manual(-VF), Motorized(-Z)
Angle of View	H: 89.9°(59.4°/41.4°)	H: 89.9°(59.4°/41.4°)	H: 89.9°(115.6°/59.4°)	H: 89.9°(59.4°/41.4°)	H: 99°~35°(-VF), 99°~34°(-Z)	H: 87.6°~27.9°	H: 99°~35°(-VF), 99°~34°(-Z)	H: 87.6°~27.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m, Smart IR	30m, Smart IR	20m, Smart IR	50m, Smart IR	60m, Smart IR	60m, Smart IR	30m, Smart IR	30m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Dual-output	HD/SD Dual-output	HD/SD Dual-output, SD Tester-out	HD/SD Dual-output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	-	-	Build-in Mic	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~90°/0°~360°	0°~355°/0°~65°/0°~355°	-30°~30°/0°~80°/0°~360°	0°~360°/0°~78°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°
Ingress Protection	IP67	IP67, IK10	IP67, IK10	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±25% Max 6W	DC12V±25% Max 4.2W	DC12V±25% Max 3.6W	DC12V±25% Max 5.3W	DC12V±20% Max 8.5W(-VF), 11W(-Z)	DC12V±20% Max 8.5W(-VF), 11W(-Z)	DC12V±20% Max 4W(-VF), 7.5W(-Z)	DC12V±20% Max 2.6W(-VF), 7.5W(-Z)

Pro Series								
	1080P/720P							
Model	HAC-HDBW2220R-VF/Z	HAC-HDBW2120R-VF/Z	HAC-HDW2220R-Z	HAC-HDW2120R-Z	HAC-HDW2220R-VF	HAC-HDW2120R-VF	HAC-HFW2220D	HAC-HFW2120D
								
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Min. Illumination	0.05Lux/F1.4, 0Lux IR on	0.01Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.01Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.01Lux/F1.4, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on
Lens	2.7~12mm, Manual(-VF), Motorized(-Z)	2.7~12mm, Manual(-VF), Motorized(-Z)	2.7~12mm, Motorized	2.7~12mm, Motorized	2.7~12mm, Manual	2.7~12mm, Manual	3.6mm (6mm, 8mm, 12mm Optional)	3.6mm (6mm, 8mm, 12mm Optional)
Angle of View	H: 99°~35°(-VF), 99°~34°(-Z)	H: 87.6°~27.9°	H: 99°~34°	H: 87.6°~27.9°	H: 93°~35°	H: 87.6°~27.9°	H: 88°(55°/38.6°/24.6°)	H: 72.3°(46°/34.8°/22.4°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m, Smart IR	30m, Smart IR	60m, Smart IR	60m, Smart IR	30m, Smart IR	30m, Smart IR	80m, Smart IR	80m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	-	-	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~355°/0°~75°/0°~355°	0°~355°/0°~75°/0°~355°	0°~360°/0°~67°/0°~360°	0°~360°/0°~67°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°
Ingress Protection	IP67, IK10	IP67, IK10	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 5.8W(-VF), 8.6W(-Z)	DC12V±20% Max 5.8W(-VF), 8.6W(-Z)	DC12V±20% Max 6.8W	DC12V±20% Max 6.6W	DC12V±20% Max 4.5W	DC12V±20% Max 4.4W	DC12V±20% Max 5.8W	DC12V±20% Max 4.7W

Pro Series								
	1080P/720P							
Model	HAC-HFW2220B	HAC-HFW2120B	HAC-HFW2220E	HAC-HFW2120E	HAC-HFW2220S	HAC-HFW2120S	HAC-HDBW2220E	HAC-HDBW2120E
								
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Min. Illumination	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on
Lens	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)
Angle of View	H: 88°(55°/38.6°)	H: 72.3°(46°/34.8°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°/34.8°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°/34.8°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°/34.8°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	50m, Smart IR	50m, Smart IR	40m, Smart IR	40m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	-	-	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~355°/0°~65°/0°~355°	0°~355°/0°~65°/0°~355°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 5.5W	DC12V±20% Max 4.2W	DC12V±20% Max 5.5W	DC12V±20% Max 5.3W	DC12V±20% Max 4.8W	DC12V±20% Max 4.7W	DC12V±20% Max 4.8W	DC12V±20% Max 3.5W

Pro Series								
	1080P/720P							
Model	HAC-HDBW2220F	HAC-HDBW2120F	HAC-HDW2220E	HAC-HDW2120E	HAC-HDW2220M	HAC-HDW2120M	HAC-HDW2220S	HAC-HDW2120S
								
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Min. Illumination	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on	0.05Lux/F1.8, 0Lux IR on	0.01Lux/F1.6, 0Lux IR on
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)
Angle of View	H: 88°(106°/55°)	H: 72.3°(89°/46°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°)	H: 88°(55°/38.6°)	H: 72.3°(89°/46°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	20m, Smart IR	20m, Smart IR	50m, Smart IR	50m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Switchable, Tester-out	HD/SD Switchable, Tester-out	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Build-in Mic	Build-in Mic	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-	-	-
Pan/Tilt/Rotation	-30°~30°/0°~80°/0°~360°	-30°~30°/0°~80°/0°~360°	0°~360°/0°~78°/0°~360°	0°~360°/0°~78°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°
Ingress Protection	IP67, IK10	IP67, IK10	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 3.3W	DC12V±20% Max 3.2W	DC12V±20% Max 5W	DC12V±20% Max 4W	DC12V±20% Max 3.5W	DC12V±20% Max 3.3W	DC12V±20% Max 3.5W	DC12V±20% Max 3.3W

Lite Series

- High resolution
- Cost-effective
- Compact design
- Easy to install

Lite Series

	1080P			
	HAC-HFW1200R-VF-IRE6	HAC-HFW1200R-VF	HAC-HDBW1200R-VF	HAC-HDW1200R-VF
Model				
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS
Min. Illumination	0.02Lux/F1.4, 0Lux IR on	0.02Lux/F1.4, 0Lux IR on	0.02Lux/F1.4, 0Lux IR on	0.02Lux/F1.4, 0Lux IR on
Lens	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual
Angle of View	H: 99°~37°	H: 99°~37°	H: 99°~37°	H: 99°~37°
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	60m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR
OSD Menu	-	-	-	-
WDR	-	-	-	-
Noise Reduction	2D	2D	2D	2D
Frame Rate	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P
Video Output	HD	HD	HD	HD
Audio In	-	-	-	-
Alarm In/Out	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~355°/0°~75°/0°~355°	0°~360°/0°~90°/0°~360°
Ingress Protection	IP67	IP67	IP67, IK10	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 8.5W	DC12V±20% Max 3.8W	DC12V±20% Max 5.8W	DC12V±20% Max 3.8W

Lite Series						
	1080P					
Model	HAC-HFW1200D	HAC-HFW1200B	HAC-HFW1200S	HAC-HFW1200RM	HAC-HFW1200R	HAC-HDBW1200E
						
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS
Min. Illumination	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on
Lens	3.6mm (6mm, 8mm, 12mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (6mm Optional)	3.6mm (6mm Optional)	3.6mm (6mm, 8mm Optional)
Angle of View	H: 89.9°(59.4°/41.4°/26.5°)	H: 89.9°(59.4°/41.4°)	H: 89.9°(59.4°/41.4°)	H: 89.9°(59.4°)	H: 89.9°(59.4°)	H: 89.9°(59.4°/41.4°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m, Smart IR	50m, Smart IR	30m, Smart IR	20m, Smart IR	20m, Smart IR	30m, Smart IR
OSD Menu	-	-	-	-	-	-
WDR	-	-	-	-	-	-
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P
Video Output	HD	HD	HD	HD	HD	HD
Audio In	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~355°/0°~65°/0°~355°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 5W	DC12V±20% Max 4.5W	DC12V±20% Max 3.6W	DC12V±20% Max 3.5W	DC12V±20% Max 3.5W	DC12V±20% Max 3.5W

Lite Series						
	1080P		720P			
	HAC-HDW1200E	HAC-HDW1200M	HAC-HFW1100R-VF-IRE6	HAC-HFW1100R-VF	HAC-HDBW1100R-VF	HAC-HDW1100R-VF
Model						
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS
Min. Illumination	0.02Lux/F2.0, 0Lux IR on	0.02Lux/F2.0, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on	0.05Lux/F1.4, 0Lux IR on
Lens	3.6mm (6mm Optional)	3.6mm (6mm Optional)	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual
Angle of View	H: 89.9°(59.4°)	H: 89.9°(59.4°)	H: 93°~35°	H: 93°~35°	H: 93°~35°	H: 93°~35°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	50m, Smart IR	30m, Smart IR	60m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR
OSD Menu	-	-	-	-	-	-
WDR	-	-	-	-	-	-
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	25/30fps@1080P	25/30fps@1080P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P
Video Output	HD	HD	HD	HD	HD	HD
Audio In	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~78°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~355°/0°~75°/0°~355°	0°~360°/0°~90°/0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±20% Max 3.6W	DC12V±20% Max 2.5W	DC12V±25% Max 8.5W	DC12V±25% Max 3.2W	DC12V±25% Max 3.2W	DC12V±25% Max 2.8W

Lite Series								
	720P							
	HAC-HFW1100D	HAC-HFW1100B	HAC-HFW1100S	HAC-HFW1000S	HAC-HFW1100RM	HAC-HFW1000RM	HAC-HFW1100R	HAC-HFW1000R
Model								
Image Sensor	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/4" 1Mp CMOS	1/2.9" 1Mp CMOS	1/4" 1Mp CMOS	1/2.9" 1Mp CMOS	1/4" 1Mp CMOS
Min. Illumination	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F2.0, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F2.0, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F2.0, 0Lux IR on
Lens	3.6mm (6mm, 8mm, 12mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)
Angle of View	H: 88°(52°/39.4°/25.2°)	H: 88°(52°/39.4°)	H: 88°(98°/52°/39.4°)	H: 61°(83.4°)	H: 88°(52°)	H: 61°(83.4°)	H: 88°(52°)	H: 61°(83.4°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m, Smart IR	50m, Smart IR	30m, Smart IR	30m, Smart IR	20m, Smart IR	20m, Smart IR	20m, Smart IR	20m, Smart IR
OSD Menu	-	-	-	-	-	-	-	-
WDR	-	-	-	-	-	-	-	-
Noise Reduction	2D	2D	2D	2D	2D	2D	2D	2D
Frame Rate	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P
Video Output	HD	HD	HD	HD	HD	HD	HD	HD
Audio In	-	-	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~360°/0°~87°/0°~360°	0°~360°/0°~87°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±25% Max 4.8W	DC12V±25% Max 4.2W	DC12V±25% Max 3.5W	DC12V±25% Max 3.5W	DC12V±25% Max 3.5W	DC12V±25% Max 3.5W	DC12V±25% Max 2.2W	DC12V±25% Max 3.5W

Lite Series						
	720P					
Model	HAC-HDBW1100E	HAC-HDW1100E	HAC-HDW1100M	HAC-HDW1000M	HAC-HDW1100R	HAC-HDW1000R
						
Image Sensor	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/2.9" 1Mp CMOS	1/4" 1Mp CMOS	1/2.9" 1Mp CMOS	1/4" 1Mp CMOS
Min. Illumination	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F2.0, 0Lux IR on	0.05Lux/F1.6, 0Lux IR on	0.05Lux/F2.0, 0Lux IR on
Lens	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)
Angle of View	H: 88°(98°/52°/39.4°)	H: 88°(98°/52°)	H: 88°(98°/52°)	H: 61°(83.4°)	H: 88°(52°)	H: 61°(83.4°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m, Smart IR	50m, Smart IR	30m, Smart IR	30m, Smart IR	20m, Smart IR	20m, Smart IR
OSD Menu	-	-	-	-	-	-
WDR	-	-	-	-	-	-
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P	25/30fps@720P
Video Output	HD	HD	HD	HD	HD	HD
Audio In	-	-	-	-	-	-
Alarm In/Out	-	-	-	-	-	-
Pan/Tilt/Rotation	0°~355°/0°~65°/0°~355°	0°~360°/0°~78°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°	0°~360°/0°~90°/0°~360°
Ingress Protection	IP67, IK10	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V±25% Max 3W	DC12V±25% Max 3.5W	DC12V±25% Max 2.5W	DC12V±25% Max 2.5W	DC12V±25% Max 2.2W	DC12V±25% Max 2.5W

HDCVI PTZ CAMERA



HDCVI PTZ Camera

- 30x, 20x, 12x optical zoom
- Control over coaxial cable, long distance real-time transmission
- HD and SD switchable
- Support intelligent 3D positioning
- Up to 300 presets, 5 auto scan, 8 tour, 5 pattern

1080P Series

	Outdoor IR			
	SD6C230I-HC	SD6C220I-HC	SD59230I-HC	SD59220I-HC
Model				
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS
Min. Illumination	0.05Lux/F1.6 (Color), 0Lux/F1.6 (IR on)	0.05Lux/F1.4 (Color), 0Lux/F1.4 (IR on)	0.05Lux/F1.6 (Color), 0Lux/F1.6 (IR on)	0.05Lux/F1.4 (Color), 0Lux/F1.4 (IR on)
Lens	4.5~135mm (30x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	4.5~135mm (30x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)
Angle of View	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	100m	100m	100m	100m
OSD Menu	Support	Support	Support	Support
WDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°
Preset Speed	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 400° /s; Tilt: 300° /s	Pan: 400° /s; Tilt: 300° /s
Audio In	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1
Ingress Protection	IP66	IP66	IP66	IP66
Working Temperature	-40°C~+60°C	-40°C~+60°C	-40°C~+70°C	-40°C~+70°C
Power	AC24V	AC24V	AC24V	AC24V

HDCVI PTZ CAMERA

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1080P Series						
	Outdoor				Indoor	
Model	SD60230I-HC	SD60220I-HC	SD50230I-HC	SD50220I-HC	SD52C230I-HC	SD52C220I-HC
						
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS
Min. Illumination	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)
Lens	4.5~135mm (30x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	4.5~135mm (30x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	4.5~135mm (30x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)
Angle of View	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	--	--	-	-	-	-
OSD Menu	Support	Support	Support	Support	Support	Support
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°
Preset Speed	Pan: 650° /s; Tilt: 500° /s	Pan: 650° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s
Audio In	1	1	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IK10	IK10
Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C ~ +60°C	-40°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Power	AC24V	AC24V	AC24V	AC24V	AC24V	AC24V

HDCVI PTZ CAMERA

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1080P Series					720P Series	
	Outdoor	Indoor		Indoor Mini	Outdoor IR	
Model	SD40212I-HC	SD42212I-HC	SD42C212I-HC	SD22204I-GC	SD6C120I-HC	SD59120I-HC
						
Image Sensor	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/2.7" 2Mp CMOS	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS
Min. Illumination	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.4 (Color), 0Lux/F1.4 (IR on)	0.05Lux/F1.4 (Color), 0Lux/F1.4 (IR on)
Lens	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)	2.7~11mm (4x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)
Angle of View	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°	H: 112.5° ~ 39°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	-	-	-	-	100m	100m
OSD Menu	Support	Support	Support	Support	Support	Support
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30fps@1080P 25/30/50/60fps@720P	25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°	300 preset, Pan: 0° ~ 355°; Tilt: 0° ~ 90°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 100° /s; Tilt: 60° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 400° /s; Tilt: 300° /s
Audio In	1	1	1	-	1	1
Alarm In/Out	2/1	2/1	2/1	-	2/1	2/1
Ingress Protection	IP66, IK10	IP66, IK10	IK10	IP66, IK10	IP66	IP66
Working Temperature	-40°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +70°C
Power	AC24V	AC24V	AC24V	DC12V	AC24V	AC24V

HDCVI PTZ CAMERA

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720P Series						
	Outdoor		Indoor	Outdoor	Indoor	
Model	SD60120I-HC	SD50120I-HC	SD52C120I-HC	SD40112I-HC	SD42112I-HC	SD42C112I-HC
						
Image Sensor	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS	1/3" 1.3Mp CMOS
Min. Illumination	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)	0.05Lux/F1.4 (Color), 0.005Lux/F1.4 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color), 0.005Lux/F1.6 (B/W)
Lens	4.7 ~ 94.0mm (20x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	4.7 ~ 94.0mm (20x Optical zoom)	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)
Angle of View	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	--	-	-	-	-	-
OSD Menu	Support	Support	Support	Support	Support	Support
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	25/30/50/60fps@720P	25/30/50/60fps@720P	25/30/50/60fps@720P	25/30/50/60fps@720P	25/30/50/60fps@720P	25/30/50/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, Auto flip 180°
Preset Speed	Pan: 650° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 300°/s; Tilt:200°/s	Pan: 300°/s; Tilt:200°/s	Pan: 300°/s; Tilt:200°/s
Audio In	1	1	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IK10	IP66, IK10	IP66, IK10	IK10
Working Temperature	-40°C~+70°C	-40°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Power	AC24V	AC24V	AC24V	AC24V	AC24V	AC24V

HDCVI HCVR



1080P Series

- Perfect image quality and performance
- Full 1080P real-time recording per channel
- High standard hardware
- Up to 32channels IP input

1080P Series

	8 HDD			4 HDD	
Model	HCVR7816S-URH	HCVR7816S	HCVR7808S	HCVR7416L	HCVR7408L
					
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Audio Compression	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM
Video Standard	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)
Max. Record Rate	480fps@1080P	480fps@1080P	240fps@1080P	480fps@1080P	240fps@1080P
	480fps@720P	480fps@720P	240fps@720P	480fps@720P	240fps@720P
Analog Input	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Input	16ch up to 1080P	32ch up to 1080P	16ch up to 1080P	32ch up to 1080P	16ch up to 1080P
Audio In/Out	16/1, 2-way	16/1, 2-way	8/1, 2-way	4/1, 2-way	4/1, 2-way
Max. HDD	8×6TB	8×6TB	8×6TB	4×6TB	4×6TB
Display	2HDMI,VGA,TV	2HDMI,VGA,TV	2HDMI,VGA,TV	2HDMI,VGA,TV	2HDMI,VGA,TV
eSATA	1	1	1	1	1
USB	4 USB2.0	4 USB2.0	4 USB2.0	3 USB2.0	3 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA	USB/SATA	USB/SATA
Alarm In/Out	16/6	16/6	8/6	16/6	8/6
Ethernet	2 Gigabit ports	2 Gigabit ports	2 Gigabit ports	1 Gigabit port	1 Gigabit port
Remote Login	128	128	128	128	128
Dimension	440mm×460mm×89mm	440mm×460mm×89mm	440mm×460mm×89mm	440mm×416mm×68mm	440mm×416mm×68mm
Power	AC 100~240V, 50/60Hz, ≤53W(Without HDD)	AC 100~240V, 50/60Hz, ≤53W(Without HDD)	AC 100~240V, 50/60Hz, ≤40W(Without HDD)	AC 100~240V, 50/60Hz, ≤53W(Without HDD)	AC 100~240V, 50/60Hz, ≤40W(Without HDD)
Highlights	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP,Raid	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP,N+N	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP,N+N	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP,N+N	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP,N+N

1080P Series

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720P Pro Series

- High performance
- 1080P 15fps per channel/720P realtime
- HDCVI/Analog self-adaptive
- Plug and play

720P Pro Series

	8 HDD		
	HCVR5832S-S2	HCVR5816S-V2	HCVR5808S-V2
Model			
Video Compression	H.264/MJPEG	H.264	H.264
Audio Compression	G.711/PCM	G.711/PCM	G.711/PCM
Video Standard	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)
Max. Record Rate	480fps@1080P	240fps@1080P	120fps@1080P
	960fps@720P	480fps@720P	240fps@720P
Analog Input	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Input	32ch 1080P	2ch 1080P	2ch 1080P
Audio In/Out	16/1, 2-way	16/1, 2-way	8/1, 2-way
Max. HDD	8×6TB	8×6TB	8×6TB
Display	2HDMI,VGA,TV	HDMI,VGA,TV	HDMI,VGA,TV
eSATA	1	1	1
USB	4 USB2.0	4 USB2.0	4 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA
Alarm In/Out	16/6	16/6	8/6
Ethernet	2 Gigabit ports	2 Gigabit ports	2 Gigabit ports
Remote Login	128	128	128
Dimension	440mm×460mm×89mm	440mm×460mm×89mm	440mm×460mm×89mm
Power	AC 100~240V, 50/60Hz, ≤53W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)
Highlights	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP

720P Pro Series

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720P Pro Series

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720P Lite Series

- Affordable price
- Up to 720P recording
- Easy operation with friendly interface

720P Lite Series

	8 HDD		
	HCVR4832S-S2	HCVR4816S-S2	HCVR4808S-S2
Model			
Video Compression	H.264	H.264	H.264
Audio Compression	G.711/PCM	G.711/PCM	G.711/PCM
Video Standard	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)
Max. Record Rate	480fps@720P	240fps@720P	120fps@720P
Analog Input	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Input	4ch 5M	2ch 1080P	2ch 1080P
Audio In/Out	16/1, 2-way	16/1, 2-way	8/1, 2-way
Max. HDD	8×6TB	8×6TB	8×6TB
Display	HDMI,VGA,TV	HDMI,VGA,TV	HDMI,VGA,TV
eSATA	1	1	1
USB	4 USB2.0	4 USB2.0	4 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA
Alarm In/Out	16/6	16/6	8/6
Ethernet	2 Gigabit ports	2 Gigabit ports	1 Gigabit port
Remote Login	128	128	128
Dimension	440mm×460mm×89mm	440mm×460mm×89mm	440mm×460mm×89mm
Power	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)
Highlights	Smart play,POS,P2P,Coaxial upgrade,2D/3DNR,UTP, 1ch 5M IPC decoding	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP

720P Lite Series								
	4 HDD			2 HDD				
Model	HCVR4432L-S2	HCVR4416L-S2	HCVR4408L-S2	HCVR4232AN-S2	HCVR4216A-S2	HCVR4216AN-S2	HCVR4208A-S2	HCVR4204A-S2
								
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM	G.711/PCM
Video Standard	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)	HDCVI/CVBS (Auto-detect)
Max. Record Rate	480fps@720P	240fps@720P	120fps@720P	480fps@720P	240fps@720P	240fps@720P	120fps@720P	120fps@720P
Analog Input	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Input	4ch 5M	2ch 1080P	2ch 1080P	4ch 5M	2ch 1080P	2ch 1080P	2ch 1080P	2ch 1080P
Audio In/Out	4/1, 2-way	4/1, 2-way	4/1, 2-way	1/1, 2-way	4/1, 2-way	1/1, 2-way	4/1, 2-way	4/1, 2-way
Max. HDD	4×6TB	4×6TB	4×6TB	2×6TB	2×6TB	2×6TB	2×6TB	2×6TB
Display	HDMI,VGA,TV	HDMI,VGA,TV	HDMI,VGA,TV	HDMI,VGA,TV	HDMI,VGA	HDMI,VGA	HDMI,VGA	HDMI,VGA
eSATA	1	1	1	-	-	-	-	-
USB	3 USB2.0	3 USB2.0	3 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA	USB	USB	USB	USB	USB
Alarm In/Out	16/6	16/6	8/6	-	16/3	-	8/3	8/3
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1×100M port	1×100M port	1×100M port	1×100M port
Remote Login	128	128	128	128	128	128	128	128
Dimension	440mm×416mm×68mm	440mm×416mm×68mm	440mm×416mm×68mm	375mm×285mm×55mm	375mm×285mm×55mm	375mm×285mm×55mm	375mm×285mm×55mm	375mm×285mm×55mm
Power	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	AC 100~240V, 50/60Hz, ≤40W (Without HDD)	DC12V/5A, ≤15W (Without HDD)	DC12V/4A, ≤15W (Without HDD)	DC12V/4A, ≤15W (Without HDD)	DC12V/4A, ≤15W (Without HDD)	DC12V/4A, ≤15W (Without HDD)
Highlights	Smart play,POS,P2P,Coaxial upgrade,2D/3DNR,UTP, 1ch 5M IPC decoding	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P,Coaxial upgrade,2D/3DNR,UTP, 1ch 5M IPC decoding	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP	Smart play,POS,P2P, Coaxial upgrade, 2D/3DNR,UTP

720P Lite Series

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Accessories



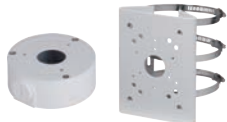
Accessories

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HFxxE Series		
		
Model	PFB110W	PFB121W
Mount	Wall / ceiling / plane mount	Wall mount

HFWxxE Series		
		
Model	PFA121	PFA121+PFA152
Mount	Junction box	Pole mount

HFWxxR-VF/Z, HFWxxB, HFWxxD Series		
		
Model	PFA135	PFA135+PFA150
Mount	Junction box	Pole mount

HFWxxS, HFWxxR, HFWxxRM Series		
		
Model	PFA134	PFA134+PFA150
Mount	Junction box	Pole mount

HDBW3231E-Z				
				
Model	PFA138	PFA101+PFB302S	PFA101+PFB302S+PFA152	PFA101+PFB300C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount

HDBW3220E-Z				
				
Model	PFA132	PFA100+PFB302S	PFA100+PFB302S+PFA152	PFA100+PFB300C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount

Accessories

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HDBWxxR, HDWxxR-Z Series			
			
Model	PFA137	PFB203W	PFB203W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDBWxxE, HDWxxE, HDWxxS Series			
			
Model	PFA136	PFB203W	PFB203W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDWxxM Series			
			
Model	PFA13A	PFB204W	PFB204W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDWxxR-VF Series			
			
Model	PFA13B	PFB204W	PFB204W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDWxxR Series			
			
Model	PFA122	PFA122+PFA152	
Mount	Junction box	Pole mount	

HDBWxxF Series			
			
Model	PFA139	PFB204W	PFB204W+PFA152
Mount	Junction box	Wall mount	Pole mount

SD60 Series						
						
Model	PFA111+PFB303W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140
Mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box

Accessories

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SD6C Series						
						
Model		64FB	PFA114+PFB300C	PFA150	PFA151	PFA140
Mount		Wall mount	Ceiling mount	Pole mount	Corner mount	Power box

SD59/50/40 Series							
							
Model		PFA110+PFB300S	PFA110+PFB300S+PFA120	PFA110+PFB300C	PFA150	PFA151	PFA140
Mount		Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box

SD42 Series					
					
Model		PFA102+PFB302S	PFA102+PFB302S+PFA150	PFA102+PFB302S+PFA151	PFA102+PFB300C
Mount		Wall mount	Pole mount	Corner mount	Ceiling mount

SD22 Series				
				
Model		PFA137	PFB203W	PFB203W+PFA152
Mount		Junction box	Wall mount	Pole mount

Accessories

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Housing						
Model	PFH610N/V	PFH610N/V-H	PFH610N/V-H-POE	PFH610N/V-IR	PFH610N-W	PFH610N-IR-W
Apperance						
Description	Aluminum & PC N/A (IK10) IP67 DC12V /AC24V in 404x164x132mm	Aluminum & PC Heater, cooler, (IK10) IP67 AC24V, 3A in 404x164x132mm	Aluminum & PC Heater, cooler, (IK10) IP67 PoE+ in 404x164x132mm	Aluminum & PC Heater, cooler, IR, (IK10) IP67 AC24V, 5A in 404x164x132mm	Aluminum & PC Heater, cooler, wiper IP66 AC24V, 3A in 404x164x175mm	Aluminum & PC Heater, cooler, wiper, IR IP66 AC24V, 5A in 404x164x175mm

Lens		
Model	PLZ1030-D	PLZ1130-D
Apperance		
Description	Image size: 1/2.7" Aperture: F1.6 Focus length: 2.7-12mm Mount: CS Resolution: 3MP	Image size: 1/2.7" Aperture: F1.6 Focus length: 5-50mm Mount: CS Resolution: 3MP

Balun			
Model	PFM800	PFM801	PFM809
Apperance			
Description	Passive HDCVI Balun Transmission distance: 720P: 450M(max), 1080P: 300M(max) Cable type:CAT 5E/6 (R<10Ω/100m)	Passive HDCVI Balun With Power Input DC24-36V, Output DC12V 8W(max) Transmission distance: 300M(max) Cable type: CAT 5E/6 (R<10Ω/100m)	16Channel Passive HDCVI Balun Receiver Transmission distance: 0~450M(with passive transmitter) Cable type: CAT 5E/6 (R<10Ω/100m)

Power Supply					
Model	DC Power		AC Power		
Apperance					
Description	DC12V, 1A 84x41x26mm	DC12V 2.8A 148x70x31mm	AC24V, 1.5A 106x70x56mm	AC24V, 3A 120x80x63.5mm	AC24V, 5A 120x102x80mm

Tool	
Model	PFM900
Apperance	
Description	Integrated Mount Tester For IPC, HDCVI, Analog camera TDR, record, playback, etc.

Accessories

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Optical Transceiver				
	OTC102T/R	PFO2410T/R	PFO2810T/R	PFO2910T/R
Model				
Key Features	• 1ch HDCVI Optical Transceiver • Lossless non-compression real-time transmission • FC, Single-mode, 20km • Support 720P/1080P	• 4ch HDCVI Optical Transceiver • Lossless non-compression real-time transmission • FC, Single-mode, 20km • Support 720P/1080P	• 8ch HDCVI Optical Transceiver • Lossless non-compression real-time transmission • FC, Single-mode, 20km • Support 720P/1080P	• 16ch HDCVI Optical Transceiver • Lossless non-compression real-time transmission • FC, Single-mode, 20km • Support 720P/1080P

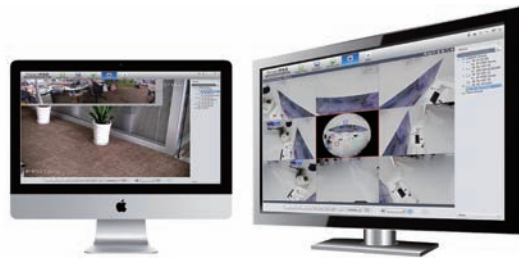
Converter		Distributor		Matrix
	TP2105	TP2600	PFT2690	CMX
Model				
Key Features	• Input :720P/1080P HDCVI signal • Output: HDCVI, HDMI, VGA, CVBS • Support RS485 to control PTZ	• 1 in /3 out • 720P/1080P self-adaptive • Work as a repeater to increase the transmission distance	• 16-ch HDCVI input, 32-ch output, each input is corresponding to 2 outputs • 720P/1080P self-adaptive • Compatible CVBS, AHD, HDTVI signal distribution	• Support HDCVI 1080P /720P, CVBS • 17 business card, 7U chassis • Support cascade between matrix • Single matrix supports max 256 in and 16 out • No delay, real-time video switch

Monitor Series			
	DHL22-F600	DHL32	DHL46
Model			
Key Features	• Built-in 3D DNR • Support 1ch audio input for DHL22-F600 • 1920×1080 resolution • Angle of view: 130°/178° • Interfaces: VGA(D-Sub)×1, HDMI×1, built-in speaker	• Metal drawing process, once shaping technique • 1920×1080 resolution • Angle of view: 178°/178° • Interfaces: VGA(D-Sub)×1, HDMI×1, CVBS(BNC)×2, DVI-D×1	• Metal drawing process, once shaping technique • 1920×1080 resolution • Angle of view: 178°/178° • Interfaces: VGA(D-Sub)×1, HDMI×1, CVBS(BNC)×2, DVI-D×1

Smart PSS

Smart Professional Surveillance System

Open, Free, Intelligent,
Make Your Security Surveillance
System Easy-to-Use



Devices & Users	Supported Devices	DVR, NVR, IPC, NVS, Video Wall Controller, NKB, VDP, TPC
	Max. Management Devices	256
	Max. Management Channels	2000
	Max. Number of Users	50
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 4000 x 3000
Live Preview	Video Display Split	1/4/6/8/9/16/25/36 or customized split for Mac, up to 64 for windows
	Max. Preview Screen	4
	Max. Views	256
	Features	Snapshot, PTZ, Audio, Record, Talk, Instant playback, Tour task, View, Stream control, Optional video scale
Playback	Max. Channels	36
	Max. Task of Export	10 once
	Features	Snapshot, PTZ, Audio, Speed 1/8x~8x, Synchronization playback, Faster/Slower play, Optional video scale
Recording	PC-NVR	32 Channels
System	Language	English, Korean, Russian, Spanish, Portuguese, Danish, German, Japanese, Traditional Chinese, Italian, French, Polish, Dutch, Thai, Vietnamese
Minimum System Requirements	OS	Windows XP/Vista/7/8, Mac OSX 10.7 or above
	GPU	Intel(R) HD Graphics or above
	CPU	Intel(R) Core(TM) i3 or above
	Main Memory	2GB or above
	Display Resolution	1024x768 or above

DMSS

Digital Mobile Surveillance System

Monitor Anything with Your SmartPhone
or Tablet Anytime, Anywhere



Devices	Supported Devices	DVR, NVR, IPC, VDP
	Add Device Method	IP/Domain, SN, Import from cloud
	Features	Remote config, Alarm config, HDD info, Share device list
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 1920 x 1080
Live Preview	Video Display Split	1/4/9/16 split
	Max. Channels Can be Opened at the Same Time	256
	Features	Snapshot, Record, Instant playback, PTZ, Unlock Stream control, Talk, Audio, Alarm, Color, Favorites, Remember channels
Playback	Max. Channels Can be Opened When Video Playback	4
	Time Period of Video	24 hours
	Features	Snapshot, Record, Faster/Slower play, Play next frame
	Max. Channels Can be Opened When Image Playback	1
Alarm Push	Alarm Type	Motion detect, Camera masking, Local alarm, Disk alarm, Face detection, Ivs alarm
	Push Type	Record, Preview, Image
Minimum System Requirements	OS	gDMSS: Android 3.0 or above; iDMSS: IOS 7.0 or above
	CPU	1GHZ or above
	RAM	1GHZ or above
	Display Resolution	480x800 or above



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* Design and specifications are subject to change without notice.

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www.dahuasecurity.com

DAHUA TECHNOLOGY CO., LTD.

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com



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