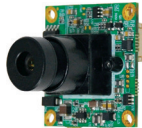


Analog 850TVL (CVBS)

850TVL / Starlight / WDR

	Metal Housing		Built in Board Lens		Built in DC Auto IRIS Lens	
						
	75dB	75dB	75dB	75dB ICR	75dB	75dB ICR
Model	MTC-WD916SCHBP-T	MTC-WD916SCHB-T	MTC-WD850B	MTC-WD850M	MTC-WD851V38	MTC-WD851MV38
Image Sensor	1/3.2" Sony HWDR 1280H STARVIS CMOS Sensor Color Camera					
Total Pixels	1280(H)x960(V)					
Resolution ; DSP	Color: 820TVL, B/W: 850TVL; Sony ISX017					
Minimum Illumination	Color: 0.05Lux@F1.4, B/W:0.03Lux@F1.4					
Wide Dynamic Range	75dB					
Video Output	960P@50fps/60fps / 1.0Vp-p Composite, 75Ω (BNC)					
Signal to Noise Ratio (S/N)	More than 55dB (AGC Off)					
Gamma Correction	0.45					
Mechanical IR Cut Filter (ICR)	N/A	N/A	N/A	Yes	N/A	Yes
Menu	OSD					
Title ; Synchronizing System	Title (Location) ; Internal					
Day&Night Mode	Day / Night / Auto					
Auto Electronic Shutter	Auto (1/50(60)~1/10,000(S))					
Manual Electronic Shutter	Manual: 1/50(1/60), 1/100, 1/120, 1/125, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/8,000, 1/10,000, 1/20,000, 1/50,000, 1/100,000(S)					
Automatic Gain Control	Auto (10 Steps)					
White Balance	ATW / Push / User1 / User2 / Manual / Push Lock					
WDR ATR	High / Mid / Low					
Back Light Compensation	HLC / BLC / Off					
Defog	Auto / Off					
Digital Noise Reduction	Y/C DNR (Level 1~7)					
Language	English / Deutsch / French / Russian / Portuguese / Spanish / Simplified Chinese					
Privacy	On / Off (16 Zones Programmable, Quadrangle Mosaic)					
Automatic IRIS; Connector	N/A				DC	
Lens Mount	Built in Pin Holes Lens	Built in Board Lens	Built in Board Lens		Built in DC Varifocal Auto IRIS Lens	
Lens, Angle of View (H)	f2.5mm/ F2.2, 88 °	f3.6mm/ F2.0, 72 °; f2.8/ f6mm (Option)	f3.6mm/F2.0, 72 °; f2.8/ f 6mm (Option)	f3.6mm/F2.0 ICR, 72 °; f2.8/ f 6mm (Option)	f2.8~12mm / F1.4	f2.8~12mm / F1.4 ICR
Power Supply ; Consumption	Standard:12Vdc±10%; 0.75W					
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C					
Operation ; Storage Humidity	Maximum: RH80% ; RH90%					
Dimensions	40.6(W)x44(H)x36.7(D)mm	40.6(W)x44(H)x25(D)mm	32(W)x32(H)mm	32(W)x32(H)mm	38(W)x38(H)mm	38(W)x38(H)mm
Net Weight	95g	100g	42g	42g	47g	47g

AHD 1080P

WDR / Smart Zoom

	3.5X Smart Zoom			10X Smart Zoom	
	 ICR 90dB	 ICR 90dB	 ICR 120dB	 ICR 90dB	 ICR 120dB
Name	AZC-WD3290	AZC-WD4290	AZC-HD5290	AZC-HD4210	AZC-HD5210
Video System	PAL / NTSC Selectable				
Image Sensor	1/3" Sony 2.4M Exmor CMOS Sensor	1/3" Panasonic 2.1M CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor	1/3" Panasonic 2.1M CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor
Video Frame Rate (Maximum)	1920x1080P@25/30fps			1920x1080P@25/30fps	1920x1080P@25/30fps
Minimum Illumination	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.06 Lux, B/W: 0.03 Lux, IR On: 0 Lux @F1.6	Color: 0.05 Lux@F1.8, B/W: 0.02 Lux@ F1.8, IR On: 0 Lux@F1.8	Color: 0.02Lux@F1.8, B/W: 0.005Lux@ F1.8, IR On: 0Lux@F1.8
Digital Video Output	BNC Connector (AHD) & Composite Simultaneously ; Composite is disabled when WDR On				
Analog Video Output	CVBS (1.0Vp-p Composite, 75Ω)				
Mechanical IR Cut Filter (ICR)	Yes	Yes	Yes	Yes	Yes
OSD Menu	OSD Control / CoC + UTC				
Digital Day&Night Mode	Color / B&W / Auto / IR Sync				
Electronic Shutter	Auto: 1/25(30)~1/30, 000 Sec, Manual: 1/25(30), 1/50(60), 1/100(120), 1/240, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000 Sec				
Auto Gain Control	0~20 Steps				
White Balance	ATW / AWB / PWB (Push Lock) / Manual				
WDR(HDR); BLC; HLC	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max 120dB) / Middle / Low / Off; Program; On / Off	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max 120dB) / Middle / Low / Off; Program; On / Off
Flickerless	N/A			Yes	
Fog Reduction	Auto/Manual/Off; Level: High/Middle/Low				
Dynamic Noise Reduction	High / Middle / Low / Off				
Sense Up	On (x2, x4, x8, x16, x32) / Off				
Language	English, Japanese, Traditional Chinese, Simplified Chinese				
E-Zoom	8x (Step 0.1)				
Image Setting	Sharpness / Mirror / Flip				
Privacy Zone Mask	Privacy Zone Mask 16 Zones Programmable				
Motion Detection	On: Sensitivity, Programmable / Off				
Lens	3.5X Optical Zoom f3.0mm(Wide)~10.5mm(Tele), F1.6			10X Optical Zoom f5.0mm(Wide)~50mm(Tele), F1.8 to F3.0	
Angle of View	H: 92°(Wide) ~ 29°(Tele), V: 52°(Wide) ~ 16.5°(Tele)			H: 49.38°(Wide) ~ 5.30°(Tele)	
Minimum Working Distance	1 Meter				
Focusing System	Smart Zoom & Auto Focus; Day / Night Focus Preset				
Power Supply ; Consumption	12Vdc /400mA; 4.8W			12Vdc /400mA; 6.36W	
Operation ; Storage Temp.	-10°C ~ 50°C; -20°C ~ 60°C				
Operation ; Storage Humidity	Maximum: RH80%; RH90%				
Dimensions	42(W)x42(H)x50(D)mm			64.7(W)x34(H)x42.1(D)mm	
Net Weight	45g			60g	

TVI 1080P

WDR / Smart Zoom

	3.5X Smart Zoom	10X Smart Zoom	
	Preliminary  ICR 90dB	 ICR 90dB	 ICR 120dB
Name	TZC-WD3290	TZC-HD4210	TZC-HD5210
Video System	PAL / NTSC Selectable		
Image Sensor	1/3" Sony 2.4M Exmor CMOS Sensor	1/3" Panasonic 2.1M CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor
Video Frame Rate	1920x1080P@25/30fps		
Minimum Illumination	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.06 Lux, B/W: 0.03 Lux, IR On: 0 Lux @F1.6
Digital Video Output	BNC Connector (HDTVI) & Composite Simultaneously ; Composite is disabled when WDR On		
Analog Video Output	CVBS (1.0Vp-p Composite, 75Ω)		
OSD Menu	OSD Control / CoC		
Mechanical IR Cut Filter	Yes	Yes	Yes
Digital Day&Night Mode	Color / B&W / Auto / IR Sync		
Electronic Shutter	Auto: 1/25(30)~1/30, 000 Sec, Manual: 1/25(30), 1/50(60), 1/100(120), 1/240, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000 Sec		
Auto Gain Control	0~20 Steps		
White Balance	ATW / AWB / PWB (Push Lock) / Manual		
WDR(HDR); BLC; HLC	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max120dB) / Middle / Low / Off; Program; On / Off
Fog Reduction	Auto/Manual/Off; Level: High/Middle/Low		
Dynamic Noise Reduction	High / Middle / Low / Off		
Sense Up	On (x2, x4, x8, x16, x32) / Off		
E-Zoom; Image Setting	8x (Step 0.1) ; Sharpness / Mirror / Flip		
Privacy Zone Mask	Privacy Zone Mask 16 Zones Programmable		
Motion Detection	On: Sensitivity, Programmable / Off		
Lens	3.5X Optical Zoom f3.0mm(Wide)~10.5mm(Tele), F1.6	10X Optical Zoom f5.0mm(Wide)~50mm(Tele), F1.8 to F3.0	
Angle of View	H: 92°(Wide) ~ 29°(Tele), : 52°(Wide) ~ 16.5°(Tele)	H: 49.38°(Wide) ~ 5.30°(Tele)	
Minimum Working Distance	1 Meter		
Focusing System	Smart Zoom & Auto Focus; Day / Night Focus Preset		
Power Supply ; Consumption	12Vdc /400mA; 4.8W		
Operation ; Storage Temp.	-10°C ~ 50°C; -20°C ~ 60°C		
Operation ; Storage Humidity	Maximum: RH80%; RH90%		
Dimensions	42(W)x42(H)x50(D)mm	64.7(W)x34(H)x42.1(D)mm	
Net Weight	45g	60g	

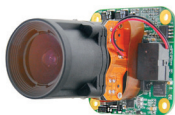
CVI 1080P

WDR/ Smart Zoom

	10X Smart Zoom	
	 ICR 90dB	 ICR 120dB
	TZC-HD4210	TZC-HD5210
Video System	PAL / NTSC Selectable	
Image Sensor	1/3" Panasonic 2.1M CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor
Video Frame Rate	1920x1080P@25/30fps	
Minimum Illumination	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.06 Lux, B/W: 0.03 Lux, IR On: 0 Lux @F1.6
Digital Video Output	BNC Connector (HDCVI) & Composite Simultaneously ; Composite is disabled when WDR On	
Analog Video Output	CVBS (1.0Vp-p Composite, 75Ω)	
OSD Menu	OSD Control / CoC	
Mechanical IR Cut Filter	Yes	Yes
Digital Day&Night Mode	Color / B&W / Auto / IR Sync	
Electronic Shutter	Auto: 1/25(30)~1/30, 000 Sec, Manual: 1/25(30), 1/50(60), 1/100(120), 1/240, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000 Sec	
Auto Gain Control	0~20 Steps	
White Balance	ATW / AWB / PWB (Push Lock) / Manual	
WDR(HDR); BLC; HLC	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max120dB) / Middle / Low / Off; Program; On / Off
Fog Reduction	Auto/Manual/Off; Level: High/Middle/Low	
Dynamic Noise Reduction	High / Middle / Low / Off	
Sense Up	On (x2, x4, x8, x16, x32) / Off	
E-Zoom; Image Setting	8x (Step 0.1) ; Sharpness / Mirror / Flip	
Privacy Zone Mask	Privacy Zone Mask 16 Zones Programmable	
Motion Detection	On: Sensitivity, Programmable / Off	
Lens	10X Optical Zoom f5.0mm(Wide)~50mm(Tele), F1.8 to F3.0	
Angle of View	H: 49.38°(Wide) ~ 5.30°(Tele)	
Minimum Working Distance	1 Meter	
Focusing System	Smart Zoom & Auto Focus; Day / Night Focus Preset	
Power Supply ; Consumption	12Vdc /400mA; 4.8W	
Operation ; Storage Temp.	-10°C ~ 50°C; -20°C ~ 60°C	
Operation ; Storage Humidity	Maximum: RH80%; RH90%	
Dimensions	64.7(W)x34(H)x42.1(D)mm	
Net Weight	60g	

BT1120 1080P

WDR / Smart Zoom / Motorized

	3.5X Smart Zoom	3.5X Smart Zoom	Motorized Lens	10X Smart Zoom
	 ICR 90dB	 ICR 120dB	 ICR 120dB	 ICR 120dB
Name	BZC-WD3290	BZC-HD5290	SBC-HD5201MSV	BZC-HD5210
Video System	PAL / NTSC Selectable		PAL / NTSC Selectable	
Image Sensor	1/3" Sony 2.4M Exmor CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor	1/2.8" Sony 2.0M STARVIS CMOS Sensor	1/3" Sony 2.0M STARVIS CMOS Sensor
Video Frame Rate (Maximum)	1920x1080P@25/30fps		1920x1080p@25/30fps	1920x1080P@25/30fps
Minimum Illumination	Color: 0.1 Lux, B/W: 0.06 Lux, IR On: 0 Lux @F1.6	Color: 0.06 Lux, B/W: 0.03 Lux, IR On: 0 Lux @F1.6	Color: 0.02Lux@F1.4, B/W: 0.005Lux@F1.4, IR On: 0Lux@F1.4	Color: 0.02Lux@F1.8, B/W: 0.005Lux@F1.8, IR On: 0Lux@F1.8
Mechanical IR Cut Filter (ICR)	Yes	Yes	Yes	Yes
Digital Day&Night Mode	Color / B&W / Auto / IR Sync			
Electronic Shutter	Auto: 1/25(30)~1/30, 000 Sec, Manual: 1/25(30), 1/50(60), 1/100(120), 1/240, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000 Sec			
Auto Gain Control	0~20 Steps			
White Balance	ATW / AWB / PWB (Push Lock) / Manual			
WDR(HDR); BLC; HLC	High (Max 90dB) / Middle / Low / Off; Program; On / Off	High (Max 120dB) / Middle / Low / Off; Program; On / Off	High (Max 120dB) / Middle / Low / Off; Program; On / Off	High (Max 120dB) / Middle / Low / Off; Program; On / Off
Flickerless	N/A		Yes	
Fog Reduction	Auto/Manual/Off; Level: High/Middle/Low			
Dynamic Noise Reduction	High / Middle / Low / Off			
Sense Up	On (x2, x4, x8, x16, x32) / Off			
Language	English, Japanese, Traditional Chinese, Simplified Chinese			
E-Zoom	8x (Step 0.1)			
Image Setting	Sharpness / Mirror / Flip			
Privacy Zone Mask	Privacy Zone Mask 16 Zones Programmable			
Motion Detection	On: Sensitivity, Programmable / Off			
Lens	3.5X Optical Zoom f3.0mm(Wide)~10.5mm(Tele), F1.6		f2.8~12mm, Built-in Motorized Lens	10X Optical Zoom f5.0mm(Wide)~50mm(Tele), F1.8 to F3.0
Angle of View	H: 92°(Wide) ~ 29°(Tele), V: 52°(Wide) ~ 16.5°(Tele)		H: 105°(Wide) ~ 33°(Tele), V: 59.06°(Wide) ~ 18.56°(Tele)	H: 49.38°(Wide) ~ 5.30°(Tele)
Minimum Working Distance	1 Meter			
Focusing System	Smart Zoom & Auto Focus; Day / Night Focus Preset			
Power Supply ; Consumption	12Vdc /400mA; 4.8W		12Vdc / PoE ; 4W	12Vdc /400mA; 6.36W
Operation ; Storage Temp.	-10°C ~ 50°C; -20°C ~ 60°C			
Operation ; Storage Humidity	Maximum: RH80%; RH90%			
Dimensions	42(W)x42(H)x50(D)mm		42(W)x42(H)mm	64.7(W)x34(H)x42.1(D)mm
Net Weight	45g		52g	60g