

COSTAR
VIDEO SYSTEMS
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TVI Product



CAMERAS

MODEL	BULLETS		DOMES		
	Indoor/Outdoor	Indoor/Outdoor	Indoor	Outdoor	Outdoor
					
	CBT2S12IFW	CBT4H12IFW	CDT2S12IFW	CDT2S12VI	CDT2S12VIFW

CAMERA

IMAGE SENSOR	1/3" Panasonic CMOS	1/2.8" Sony STARVIS™ CMOS	1/3" Panasonic CMOS	1/3" Panasonic CMOS	1/3" Panasonic CMOS
LENS	2.8-12mm	2.8-12mm Motorized Lens	2.8-12mm Motorized Lens	2.8-12mm	2.8-12mm Motorized Lens
SHUTTER SPEED	1/60-1/60000	Auto + 1/30 ~ 1/30,000	1/60 - 1/60000	1/60 - 1/60000	1/60 - 1/60000
DAY & NIGHT	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter
IRIS CONTROL	Auto Iris	Auto Iris	Auto Iris	Auto Iris	Auto Iris
IR LED	10 pcs	35 pcs	15 pcs	12 pcs Piranha LED	15 pcs
IR WAVELENGTH	850 nm	850 nm	850 nm	850 nm	850 nm
IR RANGE	65 Feet (20 m)	115 Feet (35.05 m)	65 Feet (20 m)	65 Feet (20 m)	65 Feet (20 m)
UP THE COAX	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)
REMOTE FOCUS	Yes	Yes	Yes	No	Yes
SIGNAL SYSTEM	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
MAX DISTANCE (ON RG59 CABLE)	985 Feet (300 m)	985 Feet (300 m)	985 Feet (300 m)	985 Feet (300 m)	985 Feet (300 m)
VIDEO OUTPUT	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)	HD-TVI(1440P) HD-AHD(1440P) CVBS(960H 960x480)1Vp-p Composite Output(75 Ω /BNC)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)
DEGREES OF PAN	Fixed	Fixed	Fixed	Fixed	Fixed
DEGREES OF TILT	Fixed	Fixed	Fixed	Fixed	Fixed

IMAGE

RESOLUTION	1920x1080 (2 Megapixel)	2608 x 1960 (4 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)
FRAME RATE	PAL:25 fps, NTSC:30 fps	PAL:25fps, NTSC:30fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps
DIGITAL NOISE REDUCTION	3D	3D	3D	3D	3D
WIDE DYNAMIC RANGE	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
MINIMUM ILLUMINATION	Color DSS: 0.017 LUX BW DSS: 0.0008 LUX	Color DSS: 0.03 Lux BW DSS: 0 Lux (BW,IR LED On)	Color DSS: 0.017 LUX BW DSS: 0.0008 LUX	Color DSS: 0.017 LUX BW DSS: 0.0008 LUX	Color DSS: 0.017 LUX BW DSS: 0.0008 LUX
S/N RATIO	>42dB (AGC off)	>52dB (AGC off)	>42dB (AGC off)	>42dB (AGC off)	>42dB (AGC off)
MOTION DETECTION	Yes	Yes	Yes	Yes	Yes
IMAGE ADJUST	AUTO GAIN CONTROL	Yes	Yes	Yes	Yes
	BRIGHTNESS	Yes	Yes	Yes	Yes
	DEFOG	Yes	Yes	Yes	Yes

GENERAL

POWER CONSUMPTION	4.5 W (375 mA)	7.5 W (630mA)	4.5 W (375 mA)	4.5 W (375 mA)	4.5 W (375 mA)
POWER SOURCE	12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC
IP RATING	IP66	IP66	-	IP66 / IK10	IP66 / IK10
HUMIDITY	85% RH Max	90% RH Max	85% RH Max	85% RH Max	85% RH Max
TEMPERATURE	14°F to 131°F -10°C to 55°C	14°F to 122°F -10°C to 50°C	14°F to 131°F -10°C to 55°C	14°F to 131°F -10°C to 55°C	14°F to 131°F -10°C to 55°C
DIMENSIONS	3.16" x 10.41" 80.3 x 264.5 mm	3.5" x 3.3" x 11" 88.9 x 83.82 x 279.4 mm	5.11" x 4.40" 130 x 112 mm	5.11" x 4.40" 130 x 112 mm	5.11" x 4.40" 130 x 112 mm
WEIGHT	1.653 lbs 750 g	2.20 lbs 997.9 g	0.925 lbs 420 g	1.984 lbs 900 g	1.984 lbs 900 g
APPROVALS	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE

CAMERAS

MODEL	DOMES				
	Indoor	Outdoor	PTZ	Turret	
					
	CDT4H12IFW	CDT4H12VIFW	CDT2H20IPZ	CTT2S12VIFW	CTT2S28VI

CAMERA

IMAGE SENSOR	1/2.8" Sony STARVIS™ CMOS	1/2.8" Sony STARVIS™ CMOS	1/2.8" Sony Starvis CMOS	1/3" Panasonic CMOS	1/2.9" Sony CMOS
LENS	2.8-12mm Motorized Lens	2.8-12mm Motorized Lens	4.7 ~ 94mm Auto Focus Zoom	2.8-12mm Motorized Lens	2.8mm
SHUTTER SPEED	Auto + 1/30 ~ 1/30,000sec	Auto + 1/30 ~ 1/30,000sec	1/3 ~ 1/30,000	1/60 - 1/60000	1/60 - 1/60000
DAY & NIGHT	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter
IRIS CONTROL	Auto Iris	Auto Iris	Auto Iris	Auto Iris	Auto Iris
IR LED	28 pcs	28 pcs	4 pcs	15pcs	18pcs
IR WAVELENGTH	850 nm	850 nm	850 nm	850nm	850nm
IR RANGE	98 Feet (29.87 m)	98 Feet (29.87 m)	196 Feet (60 m)	80 Feet (25m) Range	50 Feet (15m) Range
UP THE COAX	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)
REMOTE FOCUS	Yes	Yes	Yes	Yes	No
SIGNAL SYSTEM	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
MAX DISTANCE (ON RG59 CABLE)	985 Feet (300m)	985 Feet (300m)	985 Feet (300m)	985 Feet (300m)	985 Feet (300m)
VIDEO OUTPUT	HD-TVI(1440P) HD-AHD(1440P) CVBS(960H 960x480)1Vp-p Composite Output(75 Ω /BNC)	HD-TVI(1440P) HD-AHD(1440P) CVBS(960H 960x480)1Vp-p Composite Output(75 Ω /BNC)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)
DEGREES OF PAN	Fixed	Fixed	360° Continuous	Fixed	Fixed
DEGREES OF TILT	Fixed	Fixed	90°	Fixed	Fixed

IMAGE

RESOLUTION	2608 x 1960 (4 Megapixel)	2608 x 1960 (4 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)
FRAME RATE	PAL:25fps ,NTSC:30fps	PAL:25fps ,NTSC:30fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps
DIGITAL NOISE REDUCTION	3D	3D	3D	3D	2D
WIDE DYNAMIC RANGE	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	dWDR
MINIMUM ILLUMINATION	Color DSS: 0.03 Lux BW DSS: 0 Lux (BW/IR LED On)	Color DSS: 0.03 Lux BW DSS: 0 Lux (BW/IR LED On)	Color: 0.35 LUX B&W: 0.013 LUX	Color DSS: 0.017 LUX BW DSS: 0.0008 LUX	Color 0.01 LUX IR ON 0.00 LUX
S/N RATIO	>52dB (AGC off)	>52dB (AGC off)	>50 dB	>42dB (AGC off)	>50dB
MOTION DETECTION	Yes	Yes	Yes	Yes	-
IMAGE ADJUST	AUTO GAIN CONTROL	Yes	Yes	Yes	Yes
	BRIGHTNESS	Yes	Yes	Yes	Yes
	DEFOG	Yes	Yes	Yes	-

GENERAL

POWER CONSUMPTION	7.2 W (600 mA)	7.2 watts (600mA)	12 W Max	4.5 W (375 mA)	3.5 W (292 mA)
POWER SOURCE	12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC	12VDC
IP RATING	-	IP66, IK10	IP66	IP66	IP66
HUMIDITY	90% RH Max	90% RH Max	85% RH Max	85% RH Max	85% RH Max
TEMPERATURE	14°F to 122°F -10°C to 50°C	14°F to 122°F -10°C to 50°C	14°F to 122°F -10°C to 50°C	14°F to 131°F -10°C to 55°C	14°F to 131°F -10°C to 55°C
DIMENSIONS	5.12" x 3.7" 130 x 93.98 mm	5.12" x 3.7" 130 x 93.98 mm	6.06" x 5.90" 154 x 150 mm	4.72" x 4.15" 120 x 105.5 mm	3.70" x 3.30" 94 x 84 mm
WEIGHT	1.65 lbs 748.43 g	1.65 lbs 748.43 g	3.15 lbs 1.43 kg	1.543 lbs 700 g	0.793 lbs 360 g
APPROVALS	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE

SPECIALTY CAMERAS

MODEL	SPECIALTY			
	Box	Height Strip	ATM	PVM
				
	CCT2100	CCT2143HSB	CCT2312W	CMT32PVM

CAMERA

IMAGE SENSOR	1/2.8" HD CMOS	1/2.8" 2.4M CMOS	1/2.8" Sony Exmor CMOS	1/3" CMOS Progressive Scan
LENS	N/A	4.3mm Pinhole	2.8 - 12mm	3.6mm Fixed Megapixel
SHUTTER SPEED	1/30 ~ 1/30,000	1/60 ~ 1/50,000	1/30 ~ 1/30,000	1/50 ~ 1/50,000
DAY & NIGHT	Yes, IR Cut Filter	Yes, IR Cut Filter	Yes, IR Cut Filter	–
IRIS CONTROL	Electronic Iris	Electronic Iris	Electronic Iris	Auto Iris
IR LED	–	–	–	–
IR WAVELENGTH	–	–	–	–
IR RANGE	–	–	–	–
UP THE COAX	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)	Pelco C, UTC (H)
REMOTE FOCUS	No Lens	–	–	–
SIGNAL SYSTEM	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
MAX DISTANCE (ON RG59 CABLE)	985 Feet (300m)	985 Feet (300m)	985 Feet (300m)	985 Feet (300m)
VIDEO OUTPUT	CVBS(960H)1Vp-p Composite HD-TVI(1080P)	HD-TVI(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P)	CVBS(960H)1Vp-p Composite HD-TVI(1080P) HD-AHD(1080P) HD-CVI(1080P)
DEGREES OF PAN	Fixed	Fixed	Fixed	Fixed
DEGREES OF TILT	Fixed	Fixed	Fixed	Fixed

IMAGE

RESOLUTION	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)	1920x1080 (2 Megapixel)
FRAME RATE	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps	PAL:25 fps, NTSC:30 fps
DIGITAL NOISE REDUCTION	3D	3D	3D	3D
WIDE DYNAMIC RANGE	WDR	dWDR	WDR	WDR (120dB)
MINIMUM ILLUMINATION	0.001 LUX	Color: 1.0 LUX (F2.0) B&W: 0.1 LUX (F2.0)	0.001 LUX	Color: 1.0 LUX (F1.2)
S/N RATIO	>50 dB	>50 dB (AGC off)	>50 dB	>50 dB (AGC off)
MOTION DETECTION	–	Yes	–	–
IMAGE ADJUST	AUTO GAIN CONTROL	Yes	Yes	Yes
	BRIGHTNESS	Yes	Yes	Yes
	DEFOG	–	–	–

GENERAL

POWER CONSUMPTION	1.44 W (120 mA)	2.2 W (180 mA)	1.56 W (130 mA)	60 W Max
POWER SOURCE	12VDC or 24VAC	12VDC	12VDC	110VDC
IP RATING	–	–	–	–
HUMIDITY	80% RH Max	96% RH Max	80% RH Max	80% RH Max
TEMPERATURE	14°F to 122°F -10°C to 50°C	14°F to 122°F -10°C to 50°C	14°F to 122°F -10°C to 50°C	32°F to 122°F 0°C to 50°C
DIMENSIONS	2.28" x 2.05" x 4.84" 58.3 x 52 x 120 mm	1.75" x 34.35" x 1.375" 44.5 x 872.6 x 34.9 mm	1.3" x 1.2" x 2.5" 34 x 30 x 65 mm	24.5" x 17.31" x 3.75" 622.3 x 439.7 x 95.3 mm
WEIGHT	0.88 lbs 400 g	3.0 lbs 1.36 kg	0.66 lbs 300 g	17 lbs 7.71 kg
APPROVALS	FCC, CE	FCC, CE	FCC, CE	FCC, CE

MOUNTS

[illegible]

ACCESSORIES

	 CBT2S12IFW	 CBT4H12IFW	 CDT2S12IFW	 CDT2S12VI	 CDT2S12VIFW	 CDT4H12IFW	 CDT4H12VIFW
 Controller CDI2010KB							
 Baluns CUTP01HD CUTP04HD CUTP08HD CUTP16HD	✓		✓	✓	✓		
Power Supplies (12v) CPS1209	✓		✓	✓	✓		
(24v) CP1624-8UL CP824-4UL CP424-4UL	✓		✓	✓	✓		

	 CDT2H20IPZ	 CTT2S12VIFW	 CTT2S28VI	 CCT2100	 CCT2143HSB	 CCT2312W
 Controller CDI2010KB	✓					
 Baluns CUTP01HD CUTP04HD CUTP08HD CUTP16HD	✓ (Video Only)	✓	✓	✓	✓	✓
Power Supplies (12v) CPS1209	✓	✓	✓	✓	✓	✓
(24v) CP1624-8UL CP824-4UL CP424-4UL	✓	✓		✓		

COSTAR VIDEO SYSTEMS

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