



Turret Camera Series w/Turbo Intensifier Super High Resolution 600TVL

KEY FEATURES AND BENEFITS

- High Sensitivity Sony Super HAD CCD (0 Lux, IR-On)
- 2.8 – 12mm or 6 – 50mm A/I Varifocal Lens
- 600TVL (Color), 700TVL (B/W) Resolution
- IP 66 rated weatherproof, 3-axis gimbal with Through Mount Wiring (TMW) for easy and secure installation
- 42-IR LEDs for 0-Lux Operation
- DNR3 – Digital Noise Reduction (advanced)
- External Focus, Focal Length and LED Brightness adjustments - no need to open housing
- External Video Service Connection
- On-Screen Display (OSD) multi-directional tactile switch
- Sense Up (x2 – x512) Turbo Intensifier for extreme low light image capture and High-Light Compensation
- Selectable True Day/Night (TDN) operation and Image FLIP (H/V - reverse)
- Digital Zoom (up to 16X)
- VMD – Video Motion Detection (8 zones) and Privacy Area (12 zones)
- DIS – Digital Image Stabilization
- 12VDC / 24VAC
- Optional Wall and Pendant Mounts available

ORDERING INFORMATION

SCN#	Item
A-TC2812W	Camera, Turret, 600TVL, 2.8-12mm VF AI, 42-IR LEDs, White Case, 12VDC/24VAC
A-TC2812G	Camera, Turret, 600TVL, 2.8-12mm VF AI, 42-IR LEDs, Gray Case, 12VDC/24VAC
A-TC0650W	Camera, Turret, 600TVL, 6-50mm VF AI, 42-IR LEDs, White Case, 12VDC/24VAC
A-TC0650G	Camera, Turret, 600TVL, 6-50mm VF AI, 42-IR LEDs, Gray Case, 12VDC/24VAC

Turret Camera Series w/Turbo Intensifier, Super High Resolution 600TVL

Product Specifications

Video

Image Sensor	1/3" SONY Super HAD CCD
TV System	NTSC
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
Scanning System	2:1
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Sync. System	Internal / Line Lock
Electronic Shutter	1/60 ~ 1/120,000
Resolution	600TVL (color), 700TVL (B/W)
Minimum Illumination	0.15 lux (color), 0.00002 lux (B/W, IR LED ON)
Video Output	1.0Vp-p (75-ohm, composite)
S/N Ratio	> 52dB (AGC off)
Camera Control	Tactile Switch

Functions

SSDR (Super Dynamic Range)	On/Off (level adjustable)
Lens	DC Auto Iris Varifocal
Back Light Compensation (BLC)	BLC / HLC / Off
Auto Gain Control (AGC)	Low / High / Off
SENS UP (Turbo Intensifier)	Auto / Off (Selectable x2 ~ x512)
White Balance (WB)	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Day / Night	Color / BW / Auto
Video Motion Detection (VMD)	On / Off (8 programmable zones)
Privacy Zone	On / Off (12 programmable zones)
DNR3	Off / On (level adjustable)
Sharpness	On / Off (level adjustable)
FLIP / Mirror	On / Off
Zoom	On / Off (x16)
Digital Image Stabilization (DIS)	On / Off

Connectors / Mechanical

Power Input	2-pin Terminal Block (Phoenix style)
Composite Video Output	BNC
Lens Mount	Internal
Lens	2.8-12mm, Varifocal, DC Auto Iris 6-50mm, Varifocal, DC Auto Iris
Number of LEDs	42, 850nm
IR LED Illumination	Outdoor: 98 feet (30 meter) Indoor: 164 feet (50 meter)

Environmental

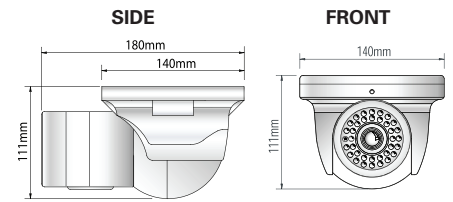
Operating Temperature	-31°F ~ 122°F (-35°C ~ 50°C)
Operating Humidity	0~95% (non-condensing)
Ingress Protection (IP rating)	IP 66
Regulatory	UL, FCC, CE, ROHS
Dimensions (WxHxD)	5.51" x 4.37" x 7.08" (140mm x 111mm x 180mm)
Weight	3.1lbs (1.4kg)
Voltage	12VDC/24VAC
Voltage, Current Required	12VDC, 160mA (LED Off), 670mA (LED On) 24VAC, 70mA (LED Off), 240mA (LED On)
Power	7.2W Max 12VDC, LED On 5.7W Max 24VAC, LED On

Specifications subject to change without notice.

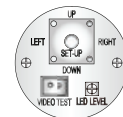
Optional Accessories

TCW2-G	Wall Mount, Gray
TCW2-W	Wall Mount, White
TCADP	Mount Adapter Plate, for use with A-CM150 Corner Mount and A-CM151 Pole Mount
TCP-G	Pendant Mount, Gray
TCP-W	Pendant Mount, White

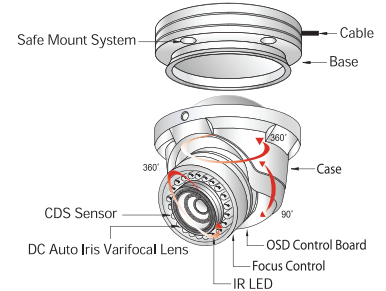
Dimensions



OSD CONTROL BOARD



Assembly



TCW2-W

Mounting hole sized for 3/4" conduit connector



TCP-G



TCADP

For more information visit www.TycoIS-Matrix.com

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