

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



Product Summary

The Super High Resolution 600TVL Turret camera series is the latest edition to the family of ADT-branded performance based digital color cameras.

The Turret cameras employ a 1/3-inch SONY Super HAD CCD for superior picture quality with 600 TV Lines of resolution in color and 700TVL in black and white. This SONY based CCD camera features excellent low light sensitivity of 0.15 lux (color) and 0.00002 lux (black/white) with TRUE Day/Night (ICR-IR optical cut filter) and TURBO-Intensifier (x512) functionality. The cameras feature 42-IR LEDs for complete darkness (0-lux) operation.

The turret cameras are self-contained in compact IP66 rated weather-proof 5" diameter 3-D gimbal housings with a 2.8-12mm or 6-50mm VF AI lens. The turret camera housings feature an easy to access unique control port for external and electronic adjustment of lens focal length, focus and LED brightness – no need to access the camera housing for lens adjustments. A video service port is also concealed within the control port. The cameras offer an easy On Screen Display (OSD) for camera set up and

programming. The OSD programming is accomplished using a single multi-directional mini-joystick which is accessed through the control port.

Programmable features include, High-Light Compensation, Digital Noise Reduction, Turbo-Intensifier (SENS-UP) which increases the sensitivity of the camera up to 512X, Day/Night mode control, Image FLIP/Mirror, Digital Zoom (x16), 8-zone Video Motion Detection, 12-point Privacy Zone which allows masking of separate zones within the camera's field of view, and Digital Image Stabilization.

The camera series is offered in a surface mount configuration. The surface mount housing features a unique external 3-D adjustable gimbal for easy and precise camera positioning. A cable feed-through hole is included on the turret base to route video and power cabling external to the mount. The camera housing is available in white or gray case color. The camera is operated on either 12VDC or 24VAC.

Features

- High Sensitivity Sony Super HAD CCD (0 Lux, IR-On)
- Turbo-Intensifier (x512)
- 2.8 – 12mm or 6 – 50mm A/I Varifocal Lens
- Unique Hidden Control Access Port
- 600TVL (Color), 700TVL (B/W) Resolution
- Weatherproof, 3-Axis Gimbal with Lock
- 42-IR LEDs for 0-Lux Operation
- DNR3 – Digital Noise Reduction (advanced)
- SSNR – Selectable Signal/Noise Ratio
- TRUE Day/Night (TDN)
- External Focus and Focal Length Adjustments – no need to open housing
- External Video Service Connection
- On-Screen Display (OSD) with center-weighted joy-stick
- HLC – High Light Compensation
- Sense Up (x2 – x512) Turbo Intensifier for extreme low light image capture
- Image FLIP – (H/V-reverse)
- Selectable D/N Operation
- Digital Zoom (up to 16X)
- VMD – Video Motion Detection (8 zones)
- Privacy Area (12 zones)
- DIS – Digital Image Stabilization
- 12VDC / 24VAC

Ordering Guide

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



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 (joy-stick)

FUNCTIONS

SSDR	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)
SSNR	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	-4°F ~ 122°F (-20°C ~ 50°C)
Operating Humidity	0~95% (non-condensing)
Ingress Protection (IP rating)	IP 66

GENERAL

Dimensions (WxH)	5.51" x 4.37" x 7.08
(WxHxD)	140mm x 111mm x 180mm
Weight	3.1lbs (1.4kg)

POWER

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

APPROVAL

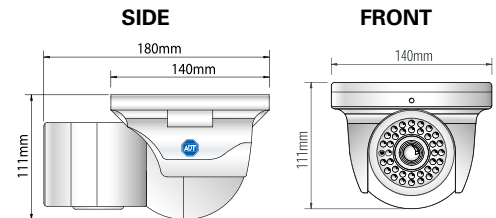
UL, FCC, CE, ROHS

Specifications are subject to change without notice.

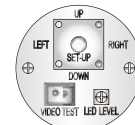
Recommended System Components

Part Number	Description
DYK4500	4-ch DVR, H.264, 120-ips, audio, USB, mouse, IR
A-ADT4HS	4-ch DVR, H.264, 120-ips, Slim-Line, USB, mouse, IR, looping
A-ADT8H	8-ch DVR, H.264, 240-ips, DVDRW, USB, mouse, IR, looping
A-ADT16H	16-ch DVR, H.264, 480-ips, DVDRW, USB, mouse, IR, looping
A-ADT400HD	4-ch DVR, H.264, 120-ips, DVDRW, USB, mouse, IR, looping
A-ADT800HD	8-ch DVR, H.264, 240-ips, DVDRW, USB, mouse, IR, looping
A-ADT1600HD	16-ch DVR, H.264, 480-ips, DVDRW, USB, mouse, IR, looping
A-XDP16E	16-channel Digital Video Recorder, 240-ips, CDRW, USB archiving
ML757	17" LCD VGA-only, 1280x1024, black plastic case
ML950F	19" LCD, VGA, BNC, DVI, Audio, 1280x1024, black plastic case
ML970W	19" Wide LCD VGA-only, 1440x900, black plastic case
ML2200W	22" Wide LCD VGA-only, 1680x1050, black plastic case
M170CP2	17" LCD, VGA, BNC, SVHS, 1280x1024, black plastic case
A-M170CP2D	17" LCD, VGA, BNC, SVHS, 1280x1024, black plastic case
M190CP2	19" LCD, VGA, BNC, SVHS, 1280x1024, black plastic case
A-M190CP2D	19" LCD, VGA, BNC, SVHS, 1280x1024, black plastic case

Dimensions



OSD CONTROL BOARD



Assembly

