

## ZOOM CAMERA

# TZQ-3301W, TZQ-3302W, TZQ-3303W

## X33 OPTICAL POWER ZOOM WDR CAMERA



### - FEATURES -

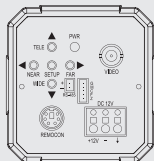
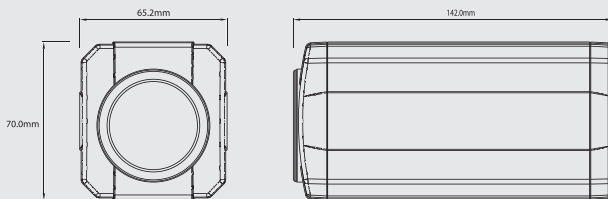
- 1/4" Double Density Interline Transfer CCD
- 550TV Lines Horizontal Resolution (B/W : 680TV Lines)
- Excellent Low Light Sensitivity of 0.7Lux/F1.6 (B/W : 0.03Lux/F1.6)
- High Durability Built In x33 Optical Power Zoom
- x12 Digital Zoom (Total : x396 Zoom)
- Auto Focus / Auto Iris
- WDR : Wide Dynamic Range
- DNR : Digital Noise Reduction
- True Day & Night : Filter Switching Mechanism
- PELCO-D Protocol included
- RS-485 Supported
- OSD Built-in
- Wired Remote Controller (1.5m, 35m as optional)

\* TZQ-3302W : AC 24V / DC 12V (Dual Voltage)

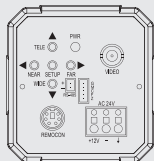
\* TZQ-3303W : AC 230V



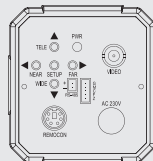
### - DIMENSION -



DC 12V



AC 24V



AC 230V

### - REMOTE CONTROLLER (OPTION) -



TZR-S1000 (10m Cable)

### - SPECIFICATIONS -

TZQ-3301W	
Signal Format	NTSC / PAL
Image Sensor	1/4" Double Density Interline Transfer CCD
Total Pixels	811(H) x 508(V) / 795(H) x 596(V)
Effective Pixels	768(H) x 494(V) / 752(H) x 582(V)
Optics	x33, f=3.5 to 115.5mm (F1.6 to 3.6)
Min. Focus Distance	1500mm
Digital Zoom	OFF / ON (Limit x12)
Angle Field of View	H : Appr. 55.5° (Wide) to 1.77° (Tele) / V : Appr. 42.5° (Wide) to 1.33° (Tele)
Scanning System	2:1 Interlace
Synchronization	Internal
Frequency	15.734 KHz(H) / 59.94 Hz(V) / 15.625 KHz(H) / 50.00 Hz(V)
Resolution	Color : 550TV Lines (Min.), B/W : 680TV Lines (Min.)
Min. Illumination	Color : 0.7Lux/F1.6, B/W : 0.03Lux/F1.6
S/N (Y signal)	50dB (AGC Off, Weight On)
Video Output	CVBS : 1.0Vp-p/75Ω
Focus	AUTO / MANUAL / ONE-PUSH
Zoom Movement Speed	2.2sec (Fast) / 2.5sec (Middle) / 4.7sec (Slow) : Wide to Tele
IRIS Control	AUTO / MANUAL
Lens Initialize	Built-in
Camera Title	ON / OFF (20 characters)
Camera ID	256 ID
Day & Night	AUTO / COLOR / BW (ICR) / EXT
Gain Control	LOW / MIDDLE / HIGH / MANUAL / OFF
White Balance	ATW / AWC / MANUAL / INDOOR / OUTDOOR
Backlight Compensation	WDR / BLC / HLC / OFF
Electronic Shutter Speed	AUTO / MANUAL / A.FLK (x256~1/60sec~1/120,000sec) / AUTO / MANUAL / A.FLK (x256~1/50sec~1/120,000sec)
OSD	Built-in
Motion Detection	ON / OFF (Output via communication)
Control Output	Pelco-D (2400, 4800, 9600, 19200, 38400, 57600, 115200 bps)
Digital Noise Reduction	LOW / MIDDLE / HIGH / OFF
Privacy	ON / OFF (8 Zones)
Flip	ON / OFF
Mirror	ON / OFF
Digital Image Stabilizer	ON / OFF
Preset	128 Positions
Input Voltage	DC 12V (±10%)
Power Consumption	Max. 5.3W
Operating Temp / Hum	Temperature : -10°C to +50°C / Humidity : 20% to 80% RH
Storage Temp / Hum	Temperature : -20°C to +60°C / Humidity : 20% to 95% RH
Dimension / Weight	65.2(W) x 70.0(H) x 142.0(D)mm / Approx. 560g