

ZOOM CAMERA

TZQ-3301, TZQ-3302, TZQ-3303

X30 OPTICAL POWER ZOOM CAMERA



- FEATURES -

- 1/4" Super HAD Color CCD
- 550TV Lines Horizontal Resolution (B/W : 680TV Lines)
- Excellent Low Light Sensitivity of 0.4Lux/F1.6 (B/W : 0.02Lux/F1.6)
- High Durability Built In x33 Optical Power Zoom
- x12 Digital Zoom (Total : x396 Zoom)
- Auto Focus / Auto Iris
- 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-3302 : AC 24V / DC 12V (Dual Voltage)

* TZQ-3303 : AC 230V



1/4 SUPER HAD
COLOR CCD



COLOR



FILTER SWITCHING
MECHANISM



DAY & NIGHT



DNR
DIGITAL NOISE
REDUCTION



HLC
HIGH-LIGHT
COMPENSATION



DIS
DIGITAL
IMAGE STABILIZER



X33 OPTICAL
ZOOM LENS

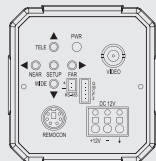
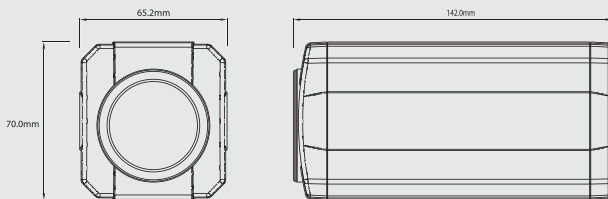


AUTO-IRIS

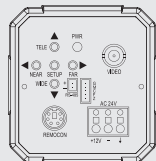


DC 12V

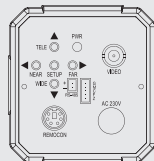
- DIMENSION -



DC 12V



AC 24V



AC 230V

- REMOTE CONTROLLER (OPTION) -



TZR-S1000 (10m Cable)

- SPECIFICATIONS -

| TZQ-3301 | | |
|--------------------------|---|--|
| Signal Format | NTSC | PAL |
| Image Sensor | 1/4" Super HAD Color 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 : 0.4Lux/F1.6, B/W : 0.02Lux/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) | |
| Gain Control | LOW / MIDDLE / HIGH / MANUAL / OFF | |
| White Balance | ATW / AWC / MANUAL / INDOOR / OUTDOOR | |
| Backlight Compensation | 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. 5.1W | |
| 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 | |