



Technical Specification

| Model | | TW-9300 | |
|--------------|--------------------------------|--|-----------------------------|
| Image sensor | Type | 1/4-inch, Sony Super HAD CCD | |
| | Active pixel | NTSC / PAL 410K / 470K | |
| | Scanning system | Lines / Fields 525 / 60 (NTSC) , 625 / 50 (PAL) | |
| | Electronic shutter | 1/60 (50) ~ 1/100,000 | |
| System | Resolution | 480 TV lines | |
| | S/N ratio | > 48 dB | |
| | Power | AC 24V | |
| | Video output | 1.0 Vp-p (75 ohms) | |
| | Camera ID | 255 | |
| Optical | Zoom ratio (optical / digital) | 26x / 10x | |
| | Aperture size | Wide / Tele F1.6 ~ 3.8 | |
| | Focal length | Wide / Tele f 3.5 ~ 91 mm | |
| | Minimum luminance | Color | 0.5 lux |
| | | Black / white | 0.05 lux (Slow shutter on) |
| Camera | Zoom control | manual | |
| | Focus control | auto / manual | |
| | Iris control | auto / manual | |
| | Slow shutter | 2 ~ 36x / auto – on / Off | |
| | White balance | auto (ATW or AWB) / manual | |
| | Image freeze | Yes | |
| | Motion detect | Yes | |



Note: Design and Specifications are subject to change without

| Model | | TW-9300 | |
|----------------|-----------------------|-----------------|---|
| Pan & Tilt | Pan range | | 360° continuous |
| | Tilt range | | 0 ~ 180° rotation |
| | Speed | Manual control | 0.5 ~ 300 ° / sec |
| | | Preset | 240 ° / sec (horizontal), 180° / sec (vertical) |
| | Total preset point | | 64 |
| | Scan mode | | A/B repeat, Group |
| | Dwell for preset stop | | 1 to 255 /sec |
| Auto pan speed | | 2 ~ 180 ° / sec | |
| Connector | Video | | BNC |
| | Power | | DC jack |
| | RS 485 | | Terminal Block |
| | Alarm I/O | | Terminal Block (input x 3 / output x 1) |
| Protocol | Command | | Pelco D , Pelco P |
| | Communication | | RS485 |
| Measurement | Diameter x Height | | 123 x 190 mm |
| | Weight | | 1.5 kg |
| | Power Consumptions | | 12 Watts |
| Environment | Water-resistant level | | IP-67 |
| | Temperature | Operation | -10°C ~ 50°C |
| | | Storage | -20°C ~ 60°C |
| | Humidity | Operation | 85% RH |
| Storage | | 85% RH | |



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