# VISION

# VQ33S
## WDR Miniature Camera

**VQ33S-W36**  **VQ33S-VF**

**VQ33S-B36**  **VQ33S-P37P**  **VQ33S-P37C**

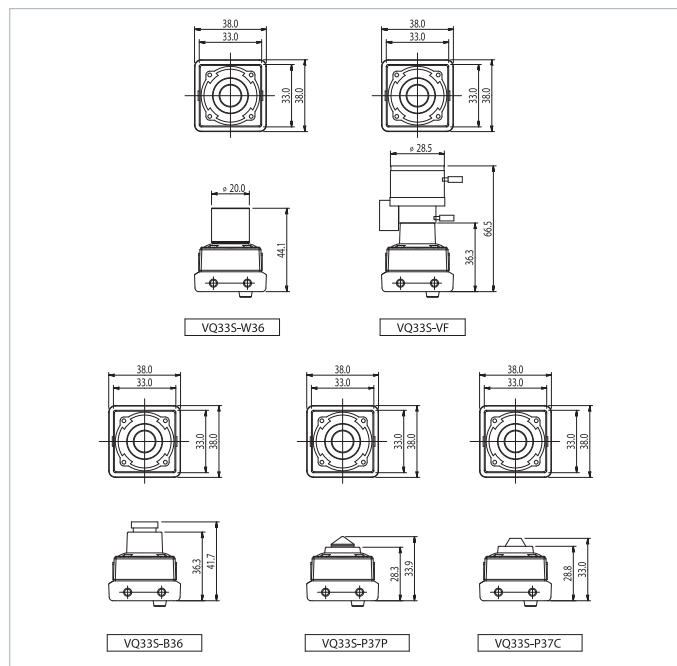| 600 TVL | WDR | 2D + 3D |
|---------|-----|---------|

## Special Features

- World's smallest with WDR and 2D/3D DNR
- User-friendly housing mechanism makes a wide range of different focal lens interchangeable
- Compact design offers world's best video quality like standard camera

## General Features

- Super Wide Dynamic
- 600TVL(Day)/650TVL(Night)
- Motion Detection
- Highlight Eclipse
- IP67 Weatherproof
- 2D/3DNR(Noise Reduction)
- DIS(Digital Image Stabilizer)
- RS-485 Interface(Pelco-D)
- 12VDC

| MODEL | VQ33S |
|-------|-------|
| Image sensor | 1/3" Sony Super HAD CCD II |
| Effective Pixels | NTSC : 768(H) x 494(V)<br>PAL : 752(H) x 582(V) |
| H. Resolution | 600 TV Lines(Day) / 650 TV Lines(Night) |
| Synchronizing system | Internal |
| Scanning system | NTSC : 525 Lines  PAL : 625 Lines  2:1 Interlaced |
| Video output | 1.0Vp-p Composite  75 Ohms |
| S/N ratio | More than 52dB (AGC Off) |
| Min. Illumination | 0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512) |
| Shutter Speed | NTSC：1/60~1/100,000 sec.<br>PAL：1/50~1/100,000 sec. |
| Gamma Correction | Standard $\gamma$ = 0.45 |
| White Balance | 1,800°K ~ 11,000°K Auto<br>ATW/Push Lock/Manual selectable by OSD |
| Gain Control | Standard : −6dB ~ 34dB Auto / Maximum by OSD |
| Smear Effect | 0.005% |
| Power source | 12VDC |
| Operating current | 120mA |
| MTBF | 80,000 hours |
| Lens | Board lens : 3.6mm(92°)<br>Board lens option : 2.5mm(145°), 2.9mm(120°),<br>4.3mm(78°), 6.0mm(54°), 8mm(39°)<br>12.0mm(26°), 16mm(19°)<br>Pinhole Lens Option<br>Peak Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°)<br>Semi Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°)<br>Varifocal Lens Option<br>2.6~6mm/2.8~12mm/3.3~12mm/4~9mm/9~22mm  VF lens |
| Iris Control | Auto |
| Operating temp./Humidity | −10°C ~ 50°C (Humidity : 0%RH ~ 90%RH) |
| Measurement (mm) | Refer to dimensions |
| Weight (Approx.g) | 150 |

| Function | |
|----------|--|
| WDR | Off / On (User selectable by OSD) |
| 2D/3DNR | Off / On (User selectable by OSD) |
| Sens-up | Off / 2x ~ 512x |
| Motion Detection | On/Off (8 Zone setting available) |
| Digital Zoom | Off, X1 ~ X8.30 |
| White Balance | Auto (ATW) / Push Lock / User Selectable |
| Privacy Mask | Off / On (8 Zone setting available) |

## Dimension



VQ33S-W36  VQ33S-VF

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