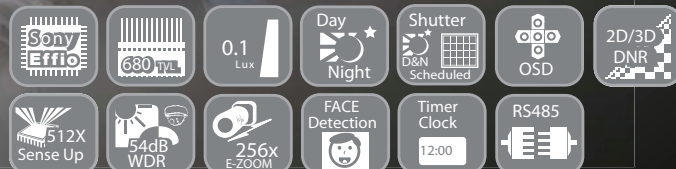
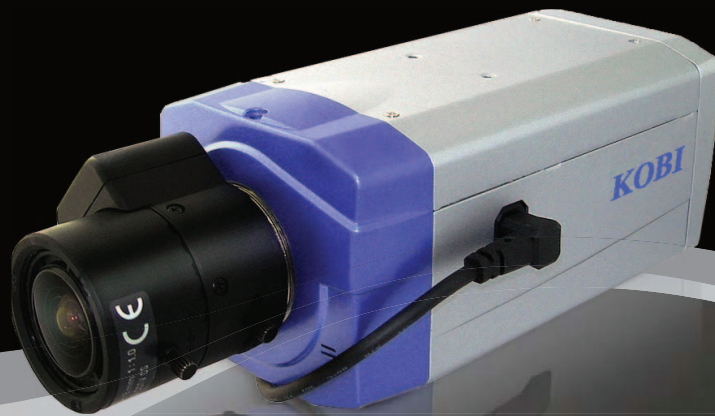


Hyper Wide Dynamic Camera (Effio DSP) CAM98TWD

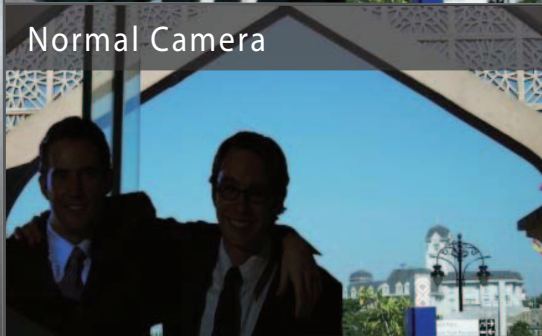
**SONY EFFIO
680TVL**



EFFIO WD Camera



Normal Camera



Built with Sony's latest Effio DSP and 960H WD image sensor, this Hyper Wide Dynamic Camera has the amazing capability of achieving the highest horizontal resolution over 680TVL. What's more, its WDR function can work out a new algorithm and produce a clear and true image without mixture of colour noise. 2D-NR and 3D-NR functions can reduce noise for various scenes whether in 2nd dimension or 3rd dimension. Every image can simply stay optimum and sharp.

The most exciting feature is Scheduled Shutter Mode. By setting the schedule, time can be set to have the CAM98TWD under different shutter steps. It can also be set under Day & Night mode so that the Colour/ B&W/ AUTO/ EXT/ SCHEDULE can further be set to have clearer views.

There're Intelligent Motion & Face Detecting Functions, E-Zoom Function with 256x Operation, OSD (On Screen Display) Function, Sense-Up, Intelligent Automatic Exposure Compensation System, Spot Removal and Strong Light Suppression, all of these functions make the captured images more true and clear.

This Hyper Wide Dynamic Camera can work under all kinds of conditions, even in back light environments. This leading surveillance camera, Kobi's CAM98TWD reproduces nearly perfect images like no other.

Create Higher Resolution 680TVL



540 T VL

680 T VL

2D/3D Noise Reduction / True Wide Dynamic



Edge Remains with
New 2D-NR

Moving Object Unblurred
with New 3D-NR

Shutter Mode (SCHEDULE / DAY&NIGHT)

Day&Night Mode

Shutter Mode

COLOUR / B&W

AUTO / FIX / SCHEDULE

AUTO / EXT / SCHEDULE

AUTO / FIX / DAY&NIGHT

Shutter changes automatically according to schedule.

** SCHEDULED SHUTTER **

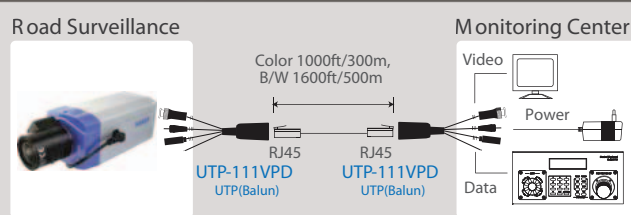
| NO. | TIME | SHUTTER |
|--------|-------|---------|
| 1 | 00:00 | 1/50 |
| 2 | 05:00 | 1/120 |
| 3 | 12:00 | 1/250 |
| 4 | 18:00 | 1/500 |
| RETURN | EXIT | |

Day shutter and Night shutter can be set separately.

** SHUTTER D/N **

| DAY SHUTTER | NIGHT SHUTTER |
|-------------|---------------|
| 1/50 | 1/250 |
| RETURN | EXIT |

Application Diagram



The OSD can be used remotely via the RS 485 communication port

Hyper Wide Dynamic Camera (Effio DSP)

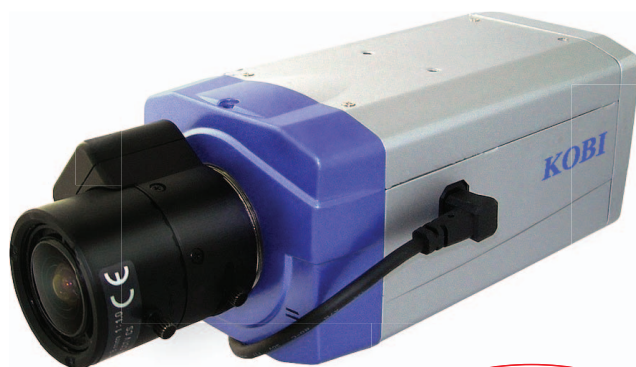
CAM98TWD



FEATURES



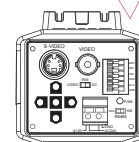
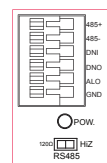
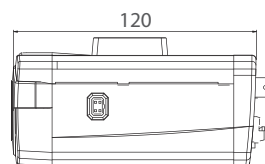
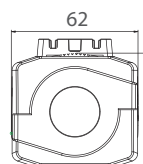
Mechanical IR Cut Filter (ICR)



Sony Effio
680TVL

CAM98TWD

- Hyper Wide Dynamic Color Camera (Effio)
- 1/3" Super Hi-Resolution
- Color:680TVL, B/W:700TVL
- 0.1Lux@F1.0; Sense-up: 0.001Lux@F1.0
- Multi-Language OSD Control / RS485 Control
- RS485 Interface OSD Control by Pelco-D, Pelco P
- Powerful 510X WDR (54dB)
- Ideal for Backlight Environments
- 2D/3D Noise Reduction & Sense Up(512x) Functions
- Shutter Mode (SCHEDULE / DAY&NIGHT)
- Face Detection of up to 4 faces
- E-zoom Function (1~256x)
- Polygonal Mosaic Privacy Mask
- Advanced Motion Detection Function
- Freeze / Timer Clock



108~39Vdc/24Vac

SPECIFICATIONS

| | CAM98TWD |
|--------------------------------|--|
| TV System | PAL |
| Image Sensor | 1/3" Sony 960H Double-speed (Double-density) CCD |
| Number of Total Pixels | 1024(H)x596(V) |
| Resolution | Color:680TVL, B/W:700TVL |
| Minimum Illumination | Color: 0.1Lux@F1.0, B/W:0.01Lux@F1.0, Sense-up: 0.001Lux@F1.0 |
| Video Output | 1.0Vp-p Composite, 75 Ω (BNC), S-Video (Y/C) |
| True Wide Dynamic Range | 510x Normal Camera (54dB) |
| Signal to Noise Ratio | More than 52dB (AGC off, Weight on) |
| Gamma Correction | 0.45 |
| Mechanical IR Cut Filter (ICR) | Automatically Switches (Switching Lux Level can be adjusted) |
| IR LED ; Working Distance | Compatible with Infrared Illuminator |
| Menu | OSD Control or by RS485 Control |
| Title | TITLE (LOCATION) |
| Synchronizing System | INTERNAL / LINE LOCK |
| Digital Day&Night Mode | COLOR / B&W / AUTO / EXT / SCHEDULE |
| Electronic Shutter | AUTO (1/50(60)sec.~1/100,000sec.) / FIX (16 Steps) / SCHEDULE or DAY & NIGHT |
| Automatic Gain Control | AUTO / MANUAL / OFF |
| White Balance | ATW / AWB/ AWC / MANUAL / OUTDOOR (1800°K~10500°K) / INDOOR (4500°K~8500°K) |
| Back Light Compensation | WDR / BLC / OFF |
| Flickerless | ON / OFF |
| Dynamic Noise Reduction | 3D/ 2D |
| Sense Up | AUTO (Limit x2~x512) / OFF |
| Face Detection | 4 Face Detection |
| Language | ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE / JAPANESE |
| E-Zoom | x1~x256, Pan / Tilt Adjustable |
| Motion Detection ; Privacy | ON / OFF (24x16 Zones, Alarm) ; ON / OFF (16 Zones Programmable, Polygonal Mosaic) |
| Timer Clock | Year/Month/Date, Hour/Minute/Second |
| Camera Control Interface | RS485 Interface OSD Control by Pelco-D, Pelco P |
| Automatic IRIS ; Connector | VIDEO / DC ; D4 IRIS Jack |
| Lens Mount | C / CS mount (With Adaptor) |
| Lens, Angle of View(H) | Lens Option: Please See the Page of Lens Series |
| Power Supply ; Consumption | 10.8~39Vdc/24Vac ; 3.0W |
| Operation ; Storage Temp. | -10 °C~50°C ; -20°C~60°C |
| Operation ; Storage Humidity | Maximum: RH80% ; RH90% |
| Dimensions | 62(W)x56(H)x120(L)mm |
| Net Weight | 300g |