

Technology-Surveillance Systems

VFD650DNW-AD

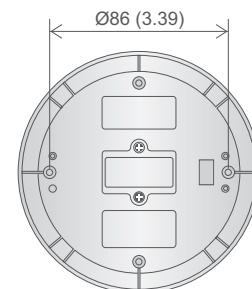
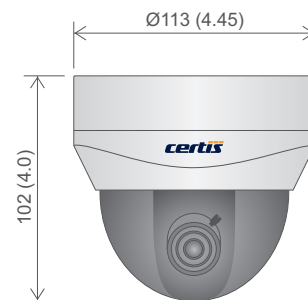
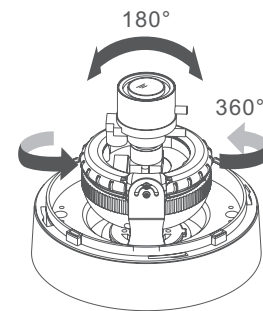
WDR 3-Axis
Vari-Focal Dome Camera

Features

- SONY 1/3" Super HAD CCD II™
- 650 TVL Resolution with 12-bit process DSP
- 3.0~12 mm (F1.2) Vari-focal Auto-Iris Japanese Lens
- Super Sensitive Low Lux Image Capture, Low up to 0.00001 Lux (Sens-up, 512X)
- Ultra Clear Image Performance
- Noise Free Image at Low Light
- Professional Setup with Built-in OSD Menu
- Three Axis Gimbal for Freely Lens Angle Setup
- Selectable WDR, BLC and ECLPS 16 Windows
- Four Types of White Balance (ATW, COL-ROLL, PUSH and MANUAL)
- Selectable Day(Color) / Night(B/W)
- Selectable Video Motion Detection (Max.8 Areas)
- Ultra Noise Rejection (For Saving HDD Space During Motion Recording)
- Digital Slow Exposure 29 Types, A.FLK and Auto
- Selectable Privacy Mask Zones (Max.8 Areas)
- Selectable Image Setup (D-ZOOM with PAN and TILT Scan, V-FLIP, MIRROR, ROTATE Scan and FREEZE)
- Digital Image Stabilizer Function For Vibration Area Installations Like Airport
- Camera Name Setting (15 Characters)
- Five Types of Languages Setting (English, Korean, Russian, French and Spanish)
- At Indoor High Light Conditions like Jewelry Shops, Shopping Malls, Designer's Shops, etc., Easy to Adjust with OSD Setup
- At Different Light Conditions like Fluorescent Light, Mercury Light, Metal Halide Light or Natural Light, Easy to Achieve True Color Through Adjusting White Balance with OSD. No Need Expensive Camera
- Wide In-put Voltage Range (DC 9.0V to DC 12V)
- Lowest Power Consumption (150 mA/DC 12V)
- Lowest Heat on Board for Long Life of Camera
- Compact and Light Weight
- Optically Corrected Top Dome Cover

Optional Features

- RS-485 Selectable Communication
- Motion Detection NO/NC Output
- Dual 12VDC/24VAC Input
- UTP (CAT-5) Active Video Output



Unit: mm (inches)
The above mentioned technical drawings are for reference only.

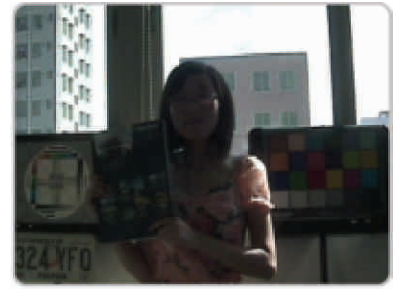
Wide Dynamic Range



Wide Dynamic Range

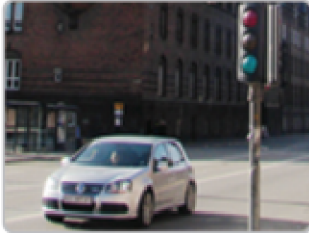


Conventional CCD Camera
with BLC ON

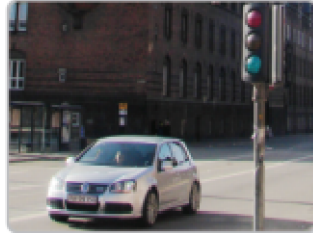


Conventional CCD Camera
with BLC OFF

ULTRA HIGH RESOLUTION



Conventional Camera



650TVL Camera

ULTRA NOISE REJECTION



Conventional Camera



UNR Camera

HI-ILLUMINATION MASK

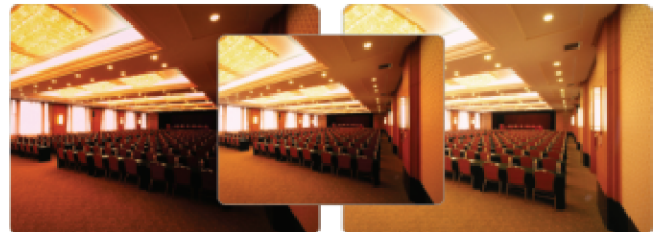


Without Hi-Illumination Mask



With Hi-Illumination Mask

DIGITAL SLOW EXPOSURE



SENS-UP GAIN AND DIGITAL SLOW EXPOSURE

Technical Specifications

MODEL VFD650DNW-AD (NTSC/PAL)

Image Sensor	SONY 1/3" Super HAD CCD II™	3D-DNR	ON / OFF (Level Adjustable)
Lens Type	3.0~12 mm(F1.2) Vari-focal Auto-Iris Japanese Lens	MOTION DET	ON / OFF (8 Programmable Zones)
Scanning System	2:1 Interlace	Privacy Mask	ON / OFF (8 Programmable Zones)
Scanning Frequency (H)	15734 Hz/15625 Hz	Image Setup	OFF / V-FLIP / MIRROR / ROTATE / FREEZE
Scanning Frequency (V)	59.94Hz/50.00Hz	Language	English, Korean, Russian, French and Spanish
Sync. System	Internal	Lens Iris	DC Lens Iris
Signal System	525 Lines/625 Lines	Reset	Factory Reset
Total Effective Pixels	440K/470K	Pro. Functions Access	Five Tact Switch OSD Control
S/N Ratio	More than 52 dB (AGC OFF)	Power Supply	DC 12V ± 1V
Resolution	650 TVL (Color) / 700 TVL (B/W)	Current Consumption	150mA / 12V DC
Video Output Level	1.0 Vp-p (75 Ohms, Composite)	I / O Connector	Video output : Molded BNC Connector and 12V DC Input : DC Socket
Min. Illumination	0.00001 Lux (Sens-Up, On)	Operating Temp	-10 °C ~ +50 °C (14 °F ~ 122 °F)
Shutter Fixed	1/160 ~ 1/90,000 Sec. / A.FLK / AUTO	Dimensions	113.0 mm (Base Diameter) X 102.0 mm (H)
WDR / BLC / ECLPS	OFF / WDR / BLC / ECLPS	Weight	Approx. 340g
AGC	OFF / LOW / MIDDLE / HIGH		
White Balance	ATW / COL-ROLL / PUSH / MANUAL		
Day / Night	AUTO / DAY / NIGHT / EXT		

* "Super HAD CCD II" is a trademark of Sony Corporation.

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