

VFD650DNW-AD

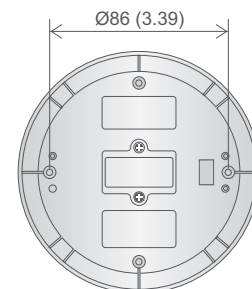
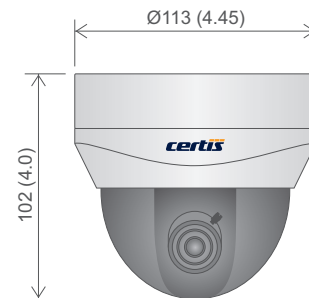
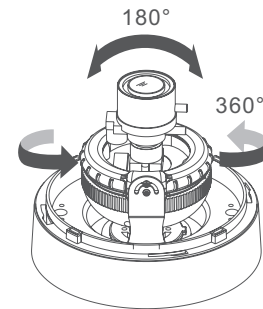
WDR 3-Axis Vari-Focal Dome Camera

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.

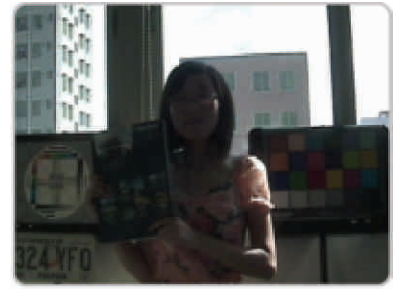
Wide Dynamic Range



Wide Dynamic Range

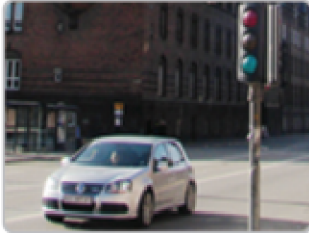


Conventional CCD Camera
with BLC ON

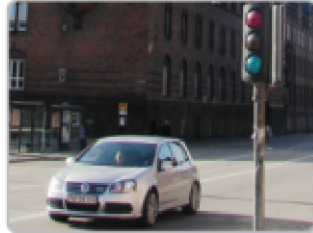


Conventional CCD Camera
with BLC OFF

ULTRA HIGH RESOLUTION



Conventional Camera



650TVL Camera

ULTRA NOISE REJECTION



Conventional Camera



UNR Camera

HI-ILLUMINATION MASK

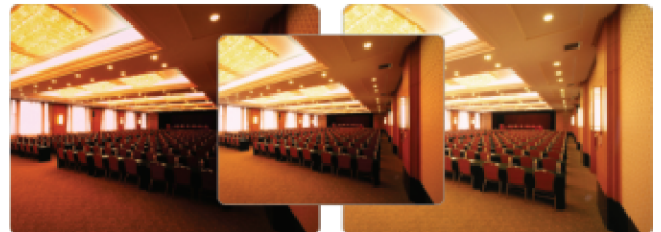


Without Hi-Illumination Mask



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™
Lens Type	3.0~12 mm(F1.2) Vari-focal Auto-Iris Japanese Lens
Scanning System	2:1 Interlace
Scanning Frequency (H)	15734 Hz/15625 Hz
Scanning Frequency (V)	59.94Hz/50.00Hz
Sync. System	Internal
Signal System	525 Lines/625 Lines
Total Effective Pixels	440K/470K
S/N Ratio	More than 52 dB (AGC OFF)
Resolution	650 TVL (Color) / 700 TVL (B/W)
Video Output Level	1.0 Vp-p (75 Ohms, Composite)
Min. Illumination	0.00001 Lux (Sens-Up, On)
Shutter Fixed	1/160 ~ 1/90,000 Sec. / A.FLK / AUTO
WDR / BLC / ECLPS	OFF / WDR / BLC / ECLPS
AGC	OFF / LOW / MIDDLE / HIGH
White Balance	ATW / COL-ROLL / PUSH / MANUAL
Day / Night	AUTO / DAY / NIGHT / EXT

3D-DNR	ON / OFF (Level Adjustable)
MOTION DET	ON / OFF (8 Programmable Zones)
Privacy Mask	ON / OFF (8 Programmable Zones)
Image Setup	OFF / V-FLIP / MIRROR / ROTATE / FREEZE
Language	English, Korean, Russian, French and Spanish
Lens Iris	DC Lens Iris
Reset	Factory Reset
Pro. Functions Access	Five Tact Switch OSD Control
Power Supply	DC 12V ± 1V
Current Consumption	150mA / 12V DC
I / O Connector	Video output : Molded BNC Connector and 12V DC Input : DC Socket
Operating Temp	-10 °C ~ +50 °C (14 °F ~ 122 °F)
Dimensions	113.0 mm (Base Diameter) X 102.0 mm (H)
Weight	Approx. 340g

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

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