

VDS120D15-VFA

Ultra Wide Dynamic Slim Dome Camera

Product Information

VDS120D15-VFA powered by Pixim's ultra Wide Dynamic pixel system provides a number of technical improvements in picture quality for viewing areas of extreme light conditions.

The technical breakthrough, in particular, shows a great challenge to overcome an over-exposure problem against strong back-light situations. As each pixel acts as a camera, a picture taken by a pixel does not affect a picture quality taken by other pixels hence all pictures taken from the whole pixels are absolutely clear in all lighting conditions. Based on this technology, VDS120D15-VFA delivers a very high quality, high resolution and very accurate & detailed colour recognition in a variety of light conditions.

VDS120D15-VFA is an ultra-Slim dome camera containing a lot of user-friendly mechanisms and configurations. It incorporates a perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.



Key features:

- 1/3" Pixim WDR digital imaging device
- Easy to use OSD function (RS-485 remote control)
- True Day & Night (ICR)
- High Resolution of 540TVL (Day) / 560TVL (Night)
- Enhanced low light performance up to 0.03 Lux / F1.4 (DSS ON)
- 12VDC/24VAC Dual power (Non-Polarity)
- Camera ID
- Digital Slow Shutter (DSS)
- Privacy masking

No "camera blindness"



Normal CCD camera



VDS120D15

Ultra wide dynamic technology used for this camera eliminates the vertical smear, pixel blooming, and other image artifacts commonly encountered in high-contrast scenes.

MODEL	VDS120D15-VFA
Image Sensor	1/3" WDR digital imaging device
Signal Processing	17-bit Digital Signal Processing (max)
Dynamic range	101dB typical / 120dB max
Video capture	Progressive Scan 50fps / 60fps
Sync system	Internal, 12VDC, Line-lock (24VAC)
Transfer format	PsF (Progressive with Segmented Frames)
Effective Pixels	720(H) X 540(V) pixel
H.Resolution	540TVL(Day) / 560TVL(Night)
Video output	1.0 to 1.2 Vp-p composite 75(NTSC/PAL Compatible)
S/N ratio	More than 48dB (AGC Off)
Min. illumination	0.6 Lux / F1.4 50 IRE
Operating current	200mA at 12VDC, 110mA at 24VAC
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	2P(BNC-Video), 2P(T-Block-PWR), 2P(L/W-RS485)
Power source	DC12V / (DV9V~20V) / AC24V (AC10V~30V)Dual power
Measurement	180(Ø) X 81(H)
Weight (Approx.g)	400
OSD Menu (Remote-Control via RS485)	
WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off, Low, Middle, High
Gamma correction	Auto / Manual
Humidity	Within 90% RH
BLC	Off / On, adjustable Backlight Zone
AGC	Off, Low, Middle, High
Digital slow shutter	Off / 2x / 4x / 6x / 8x / 16x / 32x
Privacy Masking	On / Off (6 Programmable zones)
Reversal	NOR / MIR / VER / FLIP
Day / Night	Auto / Color / BW
Protocol	Pelco-D

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