

***Real Full HD solution
fulfill your security needs***



Lotus HD-SDI camera offers 1080p resolution, and provides accurate color and clear picture quality for surveillance. Users could simple and easy upgrade from existed analog infrastructure. Transmission part is familiar coaxial cable and BNC connectors, and UI (user interface) is most the same as conventional analogue cameras. HD-SDI transmission which is no added signal delay / latency produces true real time viewing.

- **Support 1080P Resolution**

2M image sensor delivers full HD 1080P digital images.

- **WDR**

WDR improves the contrast between low and high lighting areas, presents a clear image even under strong contrast environment.

- **Digital Zoom/PIP**

Up to x64 bi-cubic linear digital zoom and PIP using anti-aliasing down scaling.

- **Over Existed Coaxial Cable**

HD SDI signals transmit digitally over conventional CCTV coaxial cables

- **3D-DNR**

3D-DNR function reduces the noise and minimizes the object-blurred when the object is moving at night images. It provides a clear and exquisite image under low-lux environments.

- **True Real Time view**

HD SDI does not compress or packetize the signal before transmission, so it does not compress image artificially or frame interruptions are observed.

- **Defog**

Defog function which does a process of clearing blurred image caused by fog, analyzing the brightness of input image and compensating color of the image. Visibility enhance on the low contrast scene.

Lotus Integrated HD-SDI High Speed Dome Camera

LCSD-20SDI



FEATURES

- Built-in Multiple Protocols; Pelco D-type, Pelco P-type, Lotus, etc.
- Offer 24x (240x with optical zoom).
- 1/2.8 Type Exmor CMOS Sensor
- Images with high resolution 2.0Mega Pixel can be obtained using a newly developed DSP for improved picture quality.
- SDI I/F BNC Output x1, CVBS BNC Output x1
- Manual Speed 1°/Sec~ 60°/Sec Vari-speed, Turbo ON can up to 120°/Sec, 380°/sec Pan Preset Speed and 150°/sec Tilt Preset Speed.
- Preset Point deviation value: $\pm 0.1^\circ$.
- Programmable Locations of Labels and On-Screen Displays.
- Proportional Pan/Tilt: Continually Decreases Pan /Tilt Speeds in Proportion to Depth of Zoom.
- Built-in Menu System for Setup of Programmable Functions.
- Privacy Masking (24 sets).
- Camera Title Inputs (Up to 12 User-Definable Characters).
- 128 Preset Points and 4 Preset Tour.
- Patterns: Up to 2, On-Screen, User-Defined Programmable Patterns.
- Built-in video/RS485 surge protectors.
- Double strength "total die-cast aluminum structure" for outdoor housing.



SPECIFICATIONS

Model No.	LCSD-20SDI
Image Device	1/2.8 type Exmor CMOS Sensor
Picture Elements	1920 x 1080
H-Resolution	Approx. 2 million
Minimum illumination	Less than 1.7 Lux (F1.6, 50 IRE), 0.5 Lux in High Sensitivity Mode
Signal System	HD:1080p/30, 1080p/25, 1808i/60, 1080i/50, 720p/50, 720p/29.97, 720p/25
Lens	20x Optical Zoom, F=4.7mm(wide)~94.0 mm(tele), F1.6 to F3.5
Digital Zoom	12x (Optical zoom + Digital zoom = 240x)
Horizontal Viewing Angle	54.1° (wide end) to 2.9° (tele end)
Video Output	SDI I/F BNC Output x1, CVBS BNC Output x1
S/N Ratio	More than 50dB
Electronic Shutter	1/2 ~ 1/10,000s, 21 steps
Focusing System	Auto (Sensitivity: normal, low), One push AF, Manual, Infinity, Interval AF, Zoom trigger AF
WDR Function	Auto / On / Off
Slow AE response	Auto
Pan movement	0° ~ 360° continuous endless
Tilt movement	0° ~ 90°
Pan speed	1°/sec to 60°/sec vari-speed
Tilt speed	1°/sec to 30°/sec vari-speed
Turbo manual speed	Pan : 120°/sec : Tilt speed : 80°/sec
Preset point	128 preset, Option 255 preset
Preset speed	380°/sec
Communication	RS485 interface
ID address	0 ~ 255 address
Power Supply	AC 24V normal (Power consumption 45W) or DC 12V
Weatherproof	IP66
Vandal proof	800KG impact resistance
Dimension / Weight	188 (Ø) x 376.4 (H)mm , 4Kg
Operation Temp.	-40°C ~ +50°C ; Humidity : 0 ~ 95%RH

** Specifications are subject to change without prior notice