



FD2452 / FD2452V

DAY & NIGHT 360° PANORAMA HD IP CAMERA



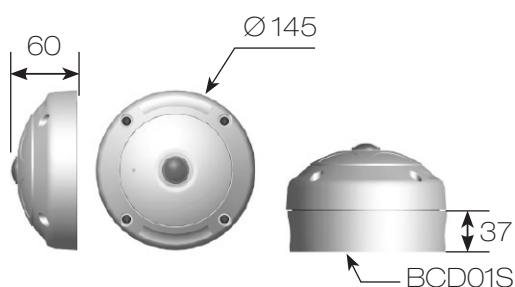
LILIN FD2452 is a fixed dome IP security camera featuring a fisheye lens for 360° panoramic wide angle view without any blind spots. The fisheye lens with high resolution provides 360° wide view surveillance, and the panorama function with quad view enables 4 different angle images to display for recording and monitoring at the same time. This latest fisheye fixed dome network camera introduced by LILIN, featuring a detailed 5-Megapixel resolution CMOS sensor with superb image quality. With flexible design of FD2452 allows it to be applied in various IP surveillance environments. LILIN FD2452 delivers clear images via multi-streaming H.264 and Motion JPEG video up to 1,920 x 1,080 pixels, and also offers electronically pan, tilt, and zoom function that allows can give users access different video modes including: 180° double table/broad view or 360° source image view.

FEATURES :

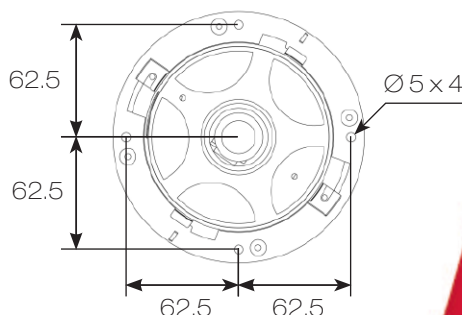
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D Noise Reduction / 2D WDR function
- Provide 360 degree view of entire scene without any blind spot
- 360 degree entire scene from one camera and no mechanical PTZ (Pan, Tilt, Zoom) motor needed
- Up to 4 independent distortion corrected view angle can be specified
- Audio / motion / alarm detection
- Day & Night (IR cut removable)
- 2-way audio supported
- Built-in highly sensitive microphone
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported
- Impact Resistant Polycarbonate Dome Cover (for FD2452V)

DIMENSIONS : (Unit : mm)

Ø 145 x 60



INSTALLATION HOLE SITE DIAGRAM :



SPECIFICATION :

Name			Day & Night 360° Panorama Dome HD IP Camera		
Model			FD2452E		FD2452V
Lens	Focal length		1.05 mm		
	Iris		F2.8		
	Angle of view	H	185°		
		V	185°		
D		185°			
Pick up element			1/2.5" CMOS image sensor		
Effective pixels			2592 (H) x 1944 (v) = 5,038,848 (pixel)		
Chip size			5.70m m (H) x 4.28m m (V)		
Scanning system			Progressive scan		
Infrared cut filter			Auto / schedule / day (color) / night (mono)		
Min. illumination			0.7 Lux at F2.8 (Low light mode)		
White balance			Auto / fluorescents1 / outdoor1 / outdoor2		
Shutter range			Auto / 1 / 2 / 3		
Auto gain control			Auto		
3D Noise Reduction			Off / 1 – 32 selectable		
2D WDR			Off / x1 / x2 / x3 / x4 / x5		
Privacy masking			Off / on (4 zones)		
Image effects			Brightness, contrast, saturation, sharpness		
Screen mode			Full panorama / wide panorama / around panorama / 4 window / 1 window		
Live Video output			Cvbs 1.0Vp-p, 75 ohm, BNC connector		
Audio in / output			Mono, 1.4 Vp-p , 50 kΩ , 3.5mm phone jack		
IP rating			-		IP54
Vandal resistant rating			-		IK8
Operating temperature			-25°C – +50°C (-13°F – 122°F)		
Dimension			Ø 145 x 60mm		
Weight			600g		
Power supply			DC12V ±10% / PoE (IEEE 802.3 af compliant)		
Power consumption			DC12V, 8W / PoE, 9.2W		

NETWORK		
Video compression		H.264 , Motion jpeg
Resolution		1080P(1920x1080), 720P(1280x720), D1(720x480), CIF(352x240)
Multiple profile	Profile #1	H.264 : up to 30 FPS @ 1920 x 1080 , Mjpeg : up to 30 FPS @ 720 x 480
	Profile #2	H.264 : up to 30 FPS @ 1280 x 720 , Mjpeg : up to 30 FPS @ 352 x 240
	Profile #3	H.264 : up to 30 FPS @ 1920 x 1080 , Mjpeg : up to 30 FPS @ 1280 x 720
	Profile #4	H.264 : up to 30 FPS @ 720 x 480 , Mjpeg : up to 15 FPS @ 1920 x 1080
Video streaming		RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate		128Kbps – 10Mbps
		Frame rate and bit rate controllable on-the-fly
		VBR / CBR / GOP supported
Security	Base 64 http encryption	
	Multiple user access levels with password protection	
	IP filter with access log	
	10 user accounts available	
Users		8 Simultaneous users
ePTZ		Yes, controllable
OSD		Text overlay for date, time, and camera name
Alarm function		Alarm / motion / alarm detection triggering recording into sd card
		Image upload over ftp and e-mail by audio / motion detection
CPU, memory		Embedded soc arm11, 528MHZ, 256MB DDR2, 256Mb flash memory
Maintenance		Firmware update via http
		Firmware available at web site
Network interface		10Mbps / 100Mbps base-t, RJ-45
PC requirement		OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
		Browser : Windows Internet Explorer 6.0 or above
		CPU : intel pentium 4 1.8GHz or above
		RAM : 1GB or above, independent display card
Network protocols		IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Mobile phone		iPhone, iPad, and Android support
System integration		ONVIF & LILIN HTTP API
Central management system		CMX 3.6 / NAV 1.0 support
Video display		LILIN universal activex & LILIN java applet
OS		Embedded linux 2.6.32
Two-way audio		G.711 / PCM
SD card recording		Support Micro SD/SDHC card for circular recording (card is not included)
Alarm input / output		Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)