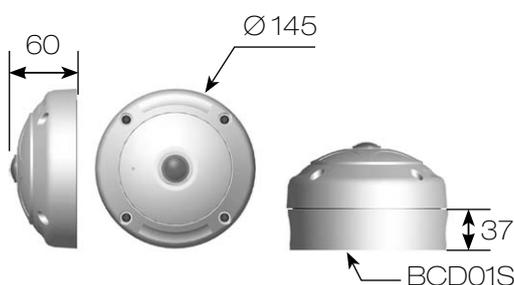# LILIN

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.
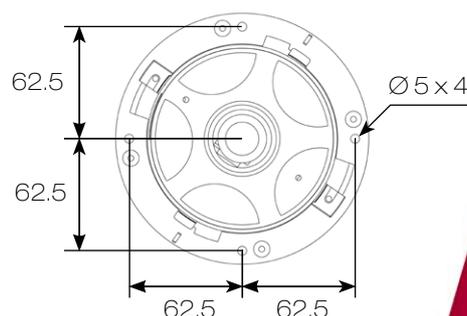
FEATURES :

- 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

60 Ø 145

37

BCD01S

INSTALLATION HOLE SITE DIAGRAM :

62.5

Ø 5 x 4

62.5

62.5   62.5

Creativity
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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, controlable
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)