

FISCHER LP360™

VISIBLE LOW-LIGHT CAMERA

DATASHEET

RUGGED

COMPACT

HIGH-RESOLUTION IMAGING

PLUG & PLAY CONNECTIVITY



The Fischer LP360™ Visible Low-Light Camera (VLC) has been designed to offer a versatile, compact and rugged camera solution with outstanding image clarity coupled with exceptional low-light performance. Utilising the latest Sony micro sensor module with back-illuminated pixel technology, the camera delivers superb colour night-time images in low-light conditions.

The camera is housed in an IP65-sealed, rugged aluminium housing which utilises the breakthrough Fischer Freedom™ solution and Fischer LP360™ connector not only to provide power and transmit data but also to act as a mounting point for wearables and integration with other devices.

The Fischer LP360™ connector is integrated directly into the aluminium camera housing. A stainless steel mounting ring facilitates immediate and secure “snap-on” mounting, connection and video streaming, even in the harshest of conditions.

The plug & play camera is compact and lightweight (max. 27g) making it ideal for multiple applications where speed of connection and ease of use are as critical as the quality of the image. Outstanding image clarity coupled with excellent low-light performance make this the ideal device for day and night.

The camera is available with either a 4-pin or 7-pin Fischer LP360™ connector variant, depending on your requirements. Images are output, live as an H264 USB UVC compliant video stream to enable viewing in real-time, or storing for later assessment, via any USB-2 compatible device, utilising an appropriate camera application.

APPLICATIONS

The compact design and rugged specifications make the camera an invaluable tool across a wide range of applications, including, but not limited to:

SECURITY

Small and discreet, hand held or body worn, provides full awareness of a Region of Interest (ROI). High quality imagery also enables identification and categorisation of stowaways/intruders.

VEHICLE IDENTIFICATION

The quality of the camera module allows for vehicle licence plates to be read at night without additional illumination (this is not possible with most standard IR cameras as the licence plate is usually blurred out by the glare of the infrared LEDs).

EMERGENCY SERVICES

The USB interface allows for direct connection to a variety of networked terminals/devices and radios for onward transmission of images, while the compact size and weight allows camera to be easily worn (on a jacket, vest or helmet-mounted), offering unobstructed, hands-free, live streaming of video when used with compatible device.

KEY SPECIFICATIONS

OPTICAL

- 1920 x 1080 pixels
- Video output: MJPEG or H.264 at 1080p, 720p, 640 x 480, 640 x 360
- Resolutions up to full HD (1080p) at frame rates from 10 to 30 fps
- 0.01 Lux, 4.3mm pinhole lens
- 72° Field of View (FoV) (up to 110° FoV available)

ELECTRICAL

- Low power consumption:
800mW @ 1080p, 30fps; 300mW @ 640 x 480, 10fps

ENVIRONMENTAL

- Operating temperature: -20°C to +60°C
- Robust IP65 sealed housing

CERTIFICATIONS

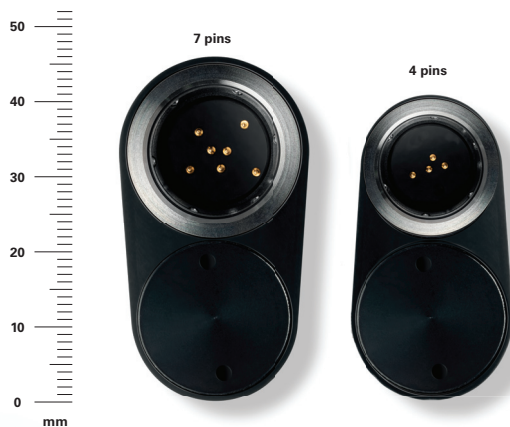
- Designed to meet EN55032
- CE approved

UNIT SPECIFICATIONS

Connector Style	Size	Weight
Fischer LP360™ Size 08 (4 pin)	41 x 21 x 23mm (L x W x H)	25.0g
Fischer LP360™ Size 14 (7 pin)	46 x 26 x 23mm (L x W x H)	29.0g

COMPATIBILITY

- MJPEG and H.264 compression and streaming
- USB 2.0 UVC V1.1 compliant interface



For more information connect with your **Fischer Connectors Account Manager**

[fischerconnectors.com](https://www.fischerconnectors.com)

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CONNECTORS