

FHV7 – Smart Camera

Starter Kits



High-speed, high-accuracy inspection and measurement...

- Modular hardware for a wide range of applications
- Wide range of optical solutions
- Hardware scalability using one software
- Easy integration in your system and machine platform
- Rugged design with IP67 protection
- Maintains IP67 waterproof structure even after module replacement, allowing use in wet conditions.
- Multi-color light - accommodates color variations
- Auto-focus lens - accommodates size variations
- Industries first 12MPix smart camera
- Easy addition of external lights and filter options

Starter Kit Offer

To get you started with the new FH-V7 smart camera system, two introductory starter kits are available at a special price.

The kits contain everything you need to get started, including camera, motorised lens (inc. cover), lighting module, cables and software.

Monochrome version: [FHV7H-M016-S25MC-K](#)

Camera 1.6MPixel, Motorised Lens Module 25mm, Multi Colour light, Power/IO-and Ethernet Cable 2m, Lens cover large, Protection cover

Kit Price £2,950 (List Price £6,300)

Or

Color version: [FHV7H-C016-S25-W-K](#)

Camera 1.6MPixel (color), Motorised Lens Module 25mm, White lighting, Power/IO-and Ethernet Cable 2m, Lens cover large, Protection cover

Kit Price £2,700 (List Price £5,580)

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Smart Camera

PROFIBUS DP
ETHERCAT
Ethernet
EtherCAT

Image sensors (color/monochrome)

Global shutter	
0.4 Mpix	1.6 Mpix
3.2 Mpix	5 Mpix
Rolling shutter	
6.3 Mpix	12 Mpix

Modules

Lenses

High-Speed Auto-focus
Standard autofocus
6/9/12/16/25 mm

C-mount lenses (examples)

Lights

Multi-color (R/G/B/IR)
Red
IR
White

Easy connection with FLV/FL External Lights
You can select from a broad lineup of more than 150 models.

Optical Filters

Diffusion filter
Polarization filter (violet light)
Polarization filter (infrared and visible light)

Waterproof hood

This component is required to ensure IP67 protection without using a lighting module.

Article name	Article description	List Price
FHV7H-M004-C	FH Vision Smart Camera, high performance, monochrome type, 0.4 Mpix resolution, 6.7 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	£3,224
FHV7H-M016-C	FH Vision Smart Camera, high performance, monochrome type, 1.6 Mpix resolution, 3.45 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	£3,691
FHV7H-M032-C	FH Vision Smart Camera, high performance, monochrome type, 3.2 Mpix resolution, 3.45 µm pixel size, 1/1.8" chip size, global shutter, C-mount, 24 VDC, IP40	£4,318
FHV7H-M050-C	FH Vision Smart Camera, high performance, monochrome type, 5.0 Mpix resolution, 3.45 µm pixel size, 2/3" chip size, global shutter, C-mount, 24 VDC, IP40	£4,979
FHV7H-M063RC	FH Vision Smart Camera, high performance, monochrome type, 6.3 Mpix resolution, 2.4 µm pixel size, 1/1.8" chip size, rolling shutter, C-mount, 24 VDC, IP40	£3,691
FHV7H-M120RC	FH Vision Smart Camera, high performance, monochrome type, 12.0 Mpix resolution, 1.85 µm pixel size, 1/1.7" chip size, rolling shutter, C-mount, 24 VDC, IP40	£4,319
FHV7H-C004-C	FH Vision Smart Camera, high performance, color type, 0.4 Mpix resolution, 6.7 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	£3,244
FHV7H-C016-C	FH Vision Smart Camera, high performance, color type, 1.6 Mpix resolution, 3.45 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	£3,691
FHV7H-C032-C	FH Vision Smart Camera, high performance, color type, 3.2 Mpix resolution, 3.45 µm pixel size, 1/1.8" chip size, global shutter, C-mount, 24 VDC, IP40	£4,318
FHV7H-C050-C	FH Vision Smart Camera, high performance, color type, 5.0 Mpix resolution, 3.45 µm pixel size, 2/3" chip size, global shutter, C-mount, 24 VDC, IP40	£4,979
FHV7H-C063RC	FH Vision Smart Camera, high performance, color type, 6.3 Mpix resolution, 2.4 µm pixel size, 1/1.8" chip size, rolling shutter, C-mount, 24 VDC, IP40	£3,691
FHV7H-C120RC	FH Vision Smart Camera, high performance, color type, 12.0 Mpix resolution, 1.85 µm pixel size, 1/1.7" chip size, rolling shutter, C-mount, 24 VDC, IP40	£4,319

Article name	Article description	List Price
FHV-LEM-S06	Lens Module 6mm	£677
FHV-LEM-S09	Lens Module 9mm	£677
FHV-LEM-S12	Lens Module 12mm	£677
FHV-LEM-S16	Lens Module 16mm	£677
FHV-LEM-S25	Lens Module 25mm	£677
FHV-LEM-H19	High speed Lens Module 19mm	£1,169
FHV-LTM-R	Illuminator red	£749
FHV-LTM-IR	Illuminator IR	£770
FHV-LTM-W	Illuminator white	£749
FHV-LTM-MC	Illuminator Multicolor	£1,496
FHV-SDU10	FHV7 extended data unit, Parallel interface	£441.60
FHV-SDU30	FHV7 extended data unit, EtherCAT interface	£543.50
FHV-VUB 2M	Smart Camera data unit cable, bend resistant, 2 m	£165.60
FHV-VNB 2M	FHV7 Ethernet cable, straight 2 m, M12 connector	£128.50
FHV-VNB 3M	FHV7 Ethernet cable, straight 3 m, M12 connector	£159.00
FHV-VDB 2M	FHV7 Power / IO Cable, straight 2 m, M12 connector	£135.20
FHV-VDB 3M	FHV7 Power / IO Cable, straight 3 m, M12 connector	£173.50