

FX10+

FX10-PLUS

- VNIR 400-1000 nm with up to 200 freely selectable spectral bands
- Up to 705 FPS, 1024 spatial pixels, 12-bit dynamics, SNR 420:1
- Built-in AIE with uniform spectral calibration, smile/keystone correction
- GigE Vision with GenICam support, 12 V DC, IP52
- CE, RoHS, passive cooling, operating temperature +5 to +40°C



PRODUCT DESCRIPTION

The Specim FX10+ is a high-speed hyperspectral VNIR camera for industrial applications with up to 200 spectral bands and 705 FPS in the range of 400-1000 nm.

Specim FX10+ – High-speed hyperspectral VNIR camera

The Specim FX10+ is a high-speed hyperspectral line scanner camera optimized for industrial applications that require fast and accurate image capture in the visible and near-infrared (VNIR) range of 400-1000 nm.

With a frame rate of up to 705 FPS and 1024 spatial pixels, the camera delivers detailed spectral data in real time, optimized for high-throughput production lines in food sorting, print quality, display inspection and agriculture.

TECHNICAL DATA

| | |
|------------------------------|-----------------------------------|
| Approvals | CE, RoHS |
| Connector | Industrial Ethernet |
| Fan | No |
| Frame rate max | 705 fps |
| Height | 71 mm |
| Input voltage | 12 V DC (±10%) |
| IP class | IP52 |
| Length | 150 mm |
| Lens barrel | Custom mount |
| Line speed max | 0.7 kHz |
| Operating humidity | 5–95% (icke-kondenserande) |
| Operating temperature | +5 ... +40°C (icke-kondenserande) |
| Pixel size min | 9.97 µm |
| Power consumption | 4 W |
| Sensor length | 10.2 mm |

| | |
|------------------------------|------------------------------------|
| Sensor Type | CMOS |
| Storage temperature | -20 ... +50°C (icke-kondenserande) |
| Supply voltage | 12 V |
| Supply voltage dc max | 13.2 V DC |
| Supply voltage dc min | 10.8 V DC |
| Wavelength | 400–1000 nm |
| Weight | 1.3 kg |
| Width | 85 mm |