

WP-GX180

1.8 MP 10GigE Global-Shutter Ultra-High-Speed Camera — Performance model · 1.8 MP · 1.1" sensor · 665 fps

The balance point of the series: a 1.1" global-shutter sensor with oversized 9 µm pixels streaming 1600×1100 at 665 fps full resolution. Big pixels for clean low-light capture, a big buffer for burst acquisition.

1.8 MP 1600×1100 · 665 fps @ full res · 1.1" CMOS · 9.0 µm pixels · 1 GB buffer · 10GBase-T copper

WP-GX180 — Color · Bayer output
WP-GX180M — Mono · NIR-enhanced

Imaging

Resolution	1600 × 1100 (1.8 MP)
Frame rate	665 fps @ full resolution
Sensor	1.1" CMOS, global shutter
Pixel size	9.0 × 9.0 µm
Active area	14.4 × 9.9 mm
Exposure time	1 µs – 1153 ms
Sensitivity	4910 mV (1/30 s)
Bit depth	12 bit
Output formats	Mono8 / Mono12 · Bayer8 / Bayer12
Spectral response	Mono 380–1050 nm · Color 380–650 nm
Frame buffer	1 GB (burst acquisition / packet re-send)

Interface & Triggering

Data interface	10GBase-T (compatible 100M / 1G / 2.5G / 5G)
GPIO / Trigger	2-in / 2-out + 1 configurable; trigger & strobe sync
Acquisition modes	Continuous · software trigger · hardware trigger

Mechanical & Environmental

Lens mount	C-mount (1.1" sensor — requires ≥1.1" image-circle optics)
Dimensions	64 × 64 × 61.7 mm
Weight	< 550 g
Power	DC 12 V, < 12 W
Operating temperature	0 – 50 °C

Software

Software support	GigE Vision / GenICam / Halcon / LabVIEW / DirectShow
OS support	Windows / Linux / ARM Linux / Android / macOS
Certifications	CE / FCC / RoHS