

WP-GX280

2.8 MP 10GigE Global-Shutter Ultra-High-Speed Camera — High resolution · 2.8 MP at 410 fps full resolution

When the defect is 0.05 mm and the line will not slow down: 1936×1464 global-shutter pixels at 410 fps full resolution. Electronics assembly, pharma inspection and print verification at full production speed.

2.8 MP 1936×1464 · 410 fps @ full res · 2/3" CMOS · 4.5 µm pixels · 1 GB buffer · 10GBase-T copper

WP-GX280 — Color · Bayer output
WP-GX280M — Mono · NIR-enhanced

Imaging

Resolution	1936 × 1464 (2.8 MP)
Frame rate	410 fps @ full resolution
Sensor	2/3" CMOS, global shutter
Pixel size	4.5 × 4.5 µm
Active area	8.7 × 6.6 mm
Exposure time	1 µs – 1048 ms
Sensitivity	1677 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 (2/3" format — standard C-mount optics compatible)
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