



General Information

Part Number:	A2A2600-64UMBAS
Order Number	108370
Product Family	ace 2 R
Product Line	ace 2 R Basic
Camera Category	Area Scan Camera

Sensor

Sensor Vendor	Gpixel
Sensor	GMAX2505
Shutter	Global Shutter
Sensor Format	1/2"
Sensor Diagonal	8.5 mm
Sensor Type	CMOS
Sensor Size	6.52 mm × 5.42 mm
Resolution (H x V)	2600 px x 2160 px
Resolution	5.6 MP
Pixel Size (H x V)	2.5 µm x 2.5 µm
Frame rate	64 fps
Mono/Color	Mono
Spectrum	Visible



EMVA Data

Quantum Efficiency (typical/minimal)	53.6 % (typical)
Dark Noise (typical/maximal)	0.76 e ⁻ (typical)
Saturation Capacity (typical/minimal)	4.64 ke ⁻ (typical)
Dynamic Range (typical/minimal)	71 dB (typical)
Signal-to-Noise Ratio (typical/minimal)	36.7 dB (typical)

Camera Data

Interface	USB 3.0
Image Data Interface	USB 3.0, nominal max. 5 Gbit/s (SuperSpeed) 8 bits
Pixel Bit Depth	10 bits 12 bits
Exposure Control	Hardware trigger Programmable via the camera API
Digital Input	1
Power Supply	Via USB 3.0 interface
Power Requirements (typical)	2.7 W

Housing

Housing Type	Box
Housing Size (L x W x H)	42.8 mm x 29 mm x 29 mm
Weight	85 g
Lens Mount	C-mount
Operating Temperature	-10 °C - 60 °C



Technical Drawing

