

NBASE-T™ the next generation of digital line scan technology



A new family of line scan cameras in colour and monochrome, which take advantage of NBASE-T™ to offer previously unachievable GigE Vision data rates. The cameras feature Teledyne e2v's latest iCMOS2 sensor technology which offers unmatched speed and performance with greatly improved high dynamic range.

NBASE-T™ key benefits

- 2,048 or 4,096 pixels
- Available in monochrome or colour
- Line rate up to 140kHz in monochrome and 100kHz in colour
- Compatible with full exposure control
- One order of magnitude increase in sensitivity versus a standard Charge Coupled Device (CCD)
- Cycling preset modes and memories
- Multiple Regions of Interest (ROI)
- Metadata
- Rotary encoder
- Compatible with C, F, T2 & M42x1 lenses
- Power consumption below 11W



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NBASE-T
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NBASE-T™ advantages

- Completely compatible with GigE Vision standards
- Higher performance imaging – data rate 2.5Gbps and 5.0Gbps
- Uses existing CAT5e/CAT6 cable – in-field termination
- 100-metre cable lengths
- Reduced total system cost and complexity
- Ideal path forward for the rapidly growing frame grabber-less machine vision market

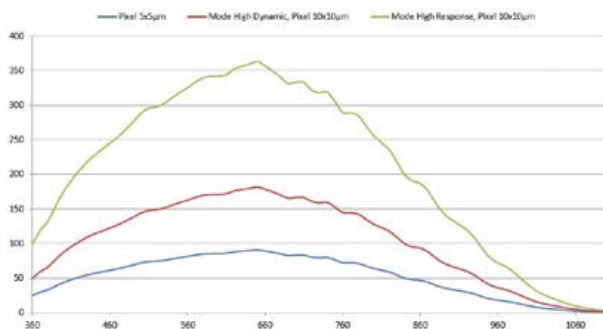
Colour

Family	Lines - bayer	Resolution	Pixel Size	Max line rate	Part number
UNiiQA+	Single line	2k	10µm	100kHz	EV71YC1CNT2010-BA0
UNiiQA+	Single line	4k	5µm	50kHz	EV71YC1CNT4005-BA0
ELiIXA+	Quad line	2k	10µm	100kHz	EV71YC4CNT2010-BA0
ELiIXA+	Quad line	4k	5µm	50kHz	EV71YC4CNT4005-BA0

Monochrome

Family	Lines - mono	Resolution	Pixel Size	Max line rate	Part number
UNiiQA+	Single line	2k x 1	10µm	140kHz	EV71YC1MNT2010-BA0
UNiiQA+	Single line	4k x 1	5µm	140kHz	EV71YC1MNT4005-BA0
ELiIXA+	Quad line	2k x 4	10µm	140kHz	EV71YC4MNT2010-BA0
ELiIXA+	Quad line	4k x 4	5µm	140kHz	EV71YC4MNT4005-BA0

Response



Spectral response

