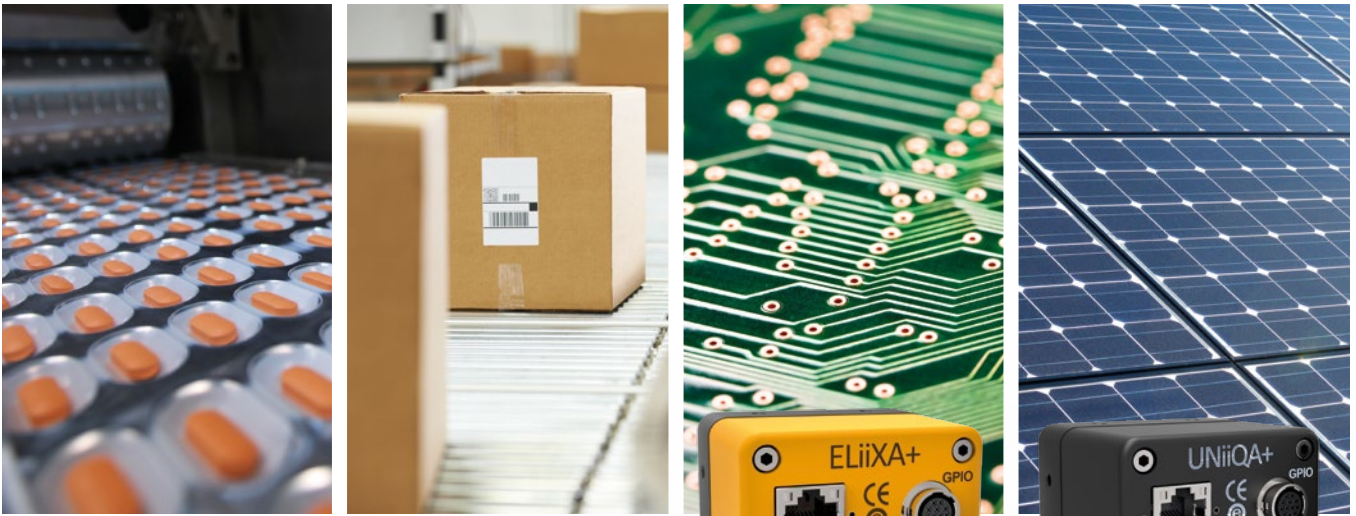


NBASE-T™ the Next Generation of Digital Line Scan Technology



NBASE-T™ KEY BENEFITS

- » 2,048 or 4,096 pixels
- » Available in monochrome or color
- » Line rate up to 140kHz in monochrome and 100kHz in color
- » 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

A new family of line scan cameras in color 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™ 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-meter cable lengths
- » Reduced total system cost and complexity
- » Ideal path forward for the rapidly growing frame grabber-less machine vision market

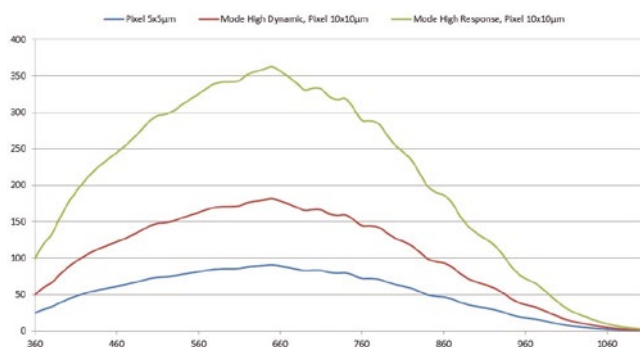
COLOR

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

