

Narragansett Imaging

ITC1612D/15 Digital CCD Camera Module

The ITC1612D15 digital camera module contains an interline transfer 2 mega pixel CCD. This high speed high resolution 12 bit camera was designed to support imaging applications such as traffic monitoring and control, as well as high resolution identification applications. Camera link data and control interface as well as single +12 Vdc power input make this camera easy to integrate into your high performance imaging system.

Features:

- * 1.6k x 1.2k, 2Mega pixel
- * 1 Inch Format Interline CCD, Monochrome or Color
- * 32M Pixels per second
- * Frame Rate
 - * 15 frames per second Full Resolution
 - * 30 frames per second in Vertical Bin mode
- * Operating Modes
 - * Free Run, Trigger, Integration Control, Vertical binning
- * C-Mount Lens interface with adjustable back focus
- * Camera Link data and control interface

Performance Summary:

AD Conversion	12 Bits
Total RMS readout noise	<5DN (0db gain, Tint ~ 56uSec)
Qmax	40Kel
Variable Gain	0db – 24db (0.1db steps)
Black Level	25DN +/- 5DN
Operating Temperature Range	0 – 55° C
Sensitivity	~10e/DN
Power Requirements	+12Vdc