



January 24, 2018

SPECIFICATION

160K PIXEL CMOS IMAGE SENSOR MODULE	Hybrid Lens (Plastic with Glass Window)
OV6946 Omnivision Sensor	Material: Eagle XG (Corning)

Physical Characteristics:

Item	Specification
Outer Diameter	1.6 mm (Nominal)
Distal barrel length (Stainless Steel)	5mm (Nominal)
Harness jacket OD	Maximum 0.9mm
Harness length	2,000 +200/-0mm
Material of outer jacket	ETFE
Jacket removed area	55mm
Number of signal	4 pin (two co-axial cables)
Connector Type of proximal end	A.) Non- Sterilizable HIROSE (ST40X-10S-CV (80) B.) On Special request we offer a Sterilizable 4 pin connector
Drawing	15T71-0028-001

Myriad Fiber Imaging Tech., Inc.

56 Southbridge Road Dudley, MA 01571 | www.myriadfiber.com
 p. 1-508-949-3000 | f. 1-508-949-3002 | Sales@myriadfiber.com

Optical Characteristics:

Item	Specification
Active pixel number	400 x 400 (160,000 Pixels)
Field of view (diagonal)	90° (nominal)
Working distance	5mm (nominal)
Depth of field	3 to 50 mm (nominal)
Distortion	25%
Lens F#	5.5
Pixel defect	TBD
1.) All optical characteristics are defined in air	2.) The number of defective pixels is defined by the number of dead pixels plus the number of hot pixels

Electrical Characteristics:

Item	Specification
Power consumption	21.5 mW (nominal)

