



## InGaAs Direct SWIR VIEWer (DIRVIEW)

DIV0320P10-17-C: 320x320 Effective Viewing Area

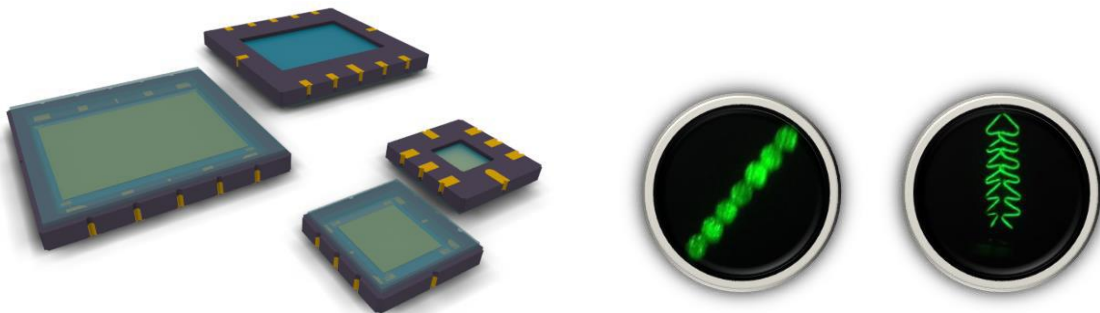
DIV1280P10-17-C: 1280x960 Effective Viewing Area

### FEATURES

- SWIR-to-Green Optical Upconversion
- 0.9  $\mu\text{m}$  - 1.7  $\mu\text{m}$  SWIR Detection Range
- Eye-Sensitive Green Emitter Array
- Typical Area Operability > 99.5%
- Conversion Efficiency  $\leq 3\%$  W/W
- Minimum Detectable Power Densities  $\leq 100\ \mu\text{W}/\text{cm}^2$
- High-Speed Image Response
- Ceramic LCC Package
- Low Voltage (3V) Operation

### APPLICATIONS

- Fiberoptic Testing
- Laser Beam Detection & Analysis
- Microscopy
- See-through Silicon
- Fire Detection
- High Speed SWIR Image

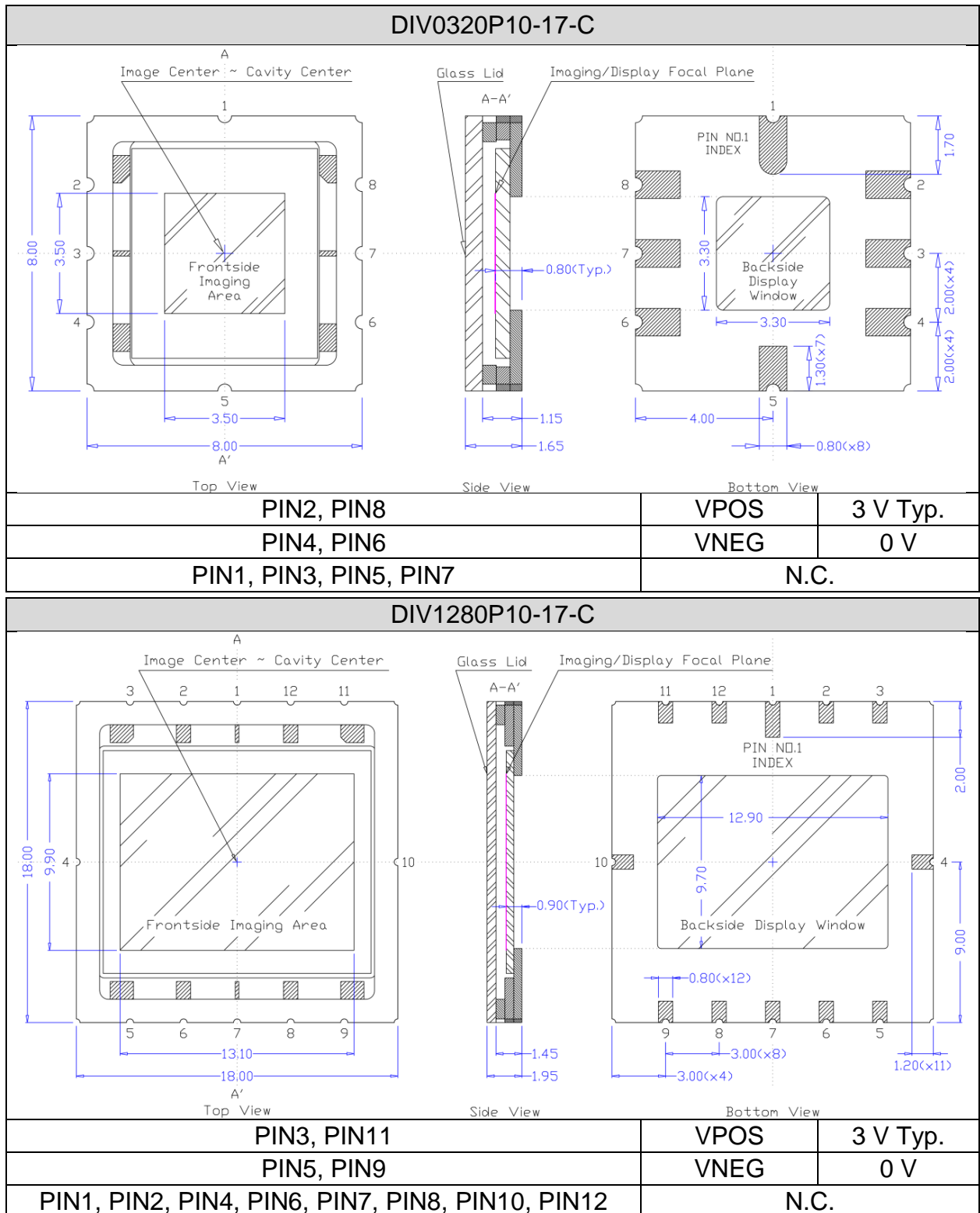


### GENERAL DESCRIPTIONS

		DIV0320P10-17-C	DIV1280P10-17-C
PARAMETER	UNIT	VALUE	
Sensor Technology	--	Planar InGaAs PIN (0.9 – 1.7 $\mu\text{m}$ ) Array	
Emitter Technology	--	InGaN Green LED Array	
Effective Pixel Array	--	320 x 320	1280 x 960
Pixel Pitch	$\mu\text{m}$	10	
Image Size	mm	3.2 x 3.2	12.8 x 9.6
Package Type	--	Ceramic 8LCC	Ceramic 12LCC
Package Size L x W x T	mm	8 x 8 x 1.15	18 x 18 x 1.45



PACKAGE OUTLINE (Unit: mm)



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