

# Overview Infrared Thermopile Array Sensors

## HTPA Assortment (1/2)

Sensor	variants		FOV [°]****	default FPS [Hz]	typical Hi, NETD[mK] @1Hz@25°C	typical UHi, NETD[mK] @1Hz@25°C	NO dual use	interface	TO-header
	Xenon	Vacuum							
HTPA8x8d									
HTPA8x8dR1L0.8/0.8F5.0	HiC[Si]	---	51 x 51	37	80	---	x	I2C	TO-46
HTPA8x8dR1L2.1/0.8F5.0	HiC[Si]	---	19 x 19	37	100	---	x	I2C	TO-46
HTPA16x16d									
HTPA16x16dR2L1.0/0.8F5.0	HiC[Si]	UHiC	>90 x 90***	17.5	130	30	x	I2C	TO-39
HTPA16x16dR2L1.6/0.8F5.0	HiC[Si]	UHiC	46 x 46	17.5	210	---	x	I2C	TO-39
HTPA16x16dR2L2.1/0.8F5.0	HiC[Si]	UHiC	44 x 44	17.5	135	35	x	I2C	TO-39
HTPA16x16dR2L5.0/0.85F7.7	HiC	UHiC	16 x 16****	17.5	155	35	x	I2C	TO-39
HTPA32x32d									
Single Optics									
HTPA32x32dR2L1.6/0.8F5.0	HiC[Si]	---	96 x 96	8.3	300	---	x	I2C	TO-39
HTPA32x32dR2L1.7/0.8	HiC[Si]	---	120 x 120	8.3	170	---	x	I2C	TO-39
HTPA32x32dR2L1.9/0.8	HiC[Ch]	---	99 x 99	8.3	135	---	x	I2C	TO-39
HTPA32x32dR2L2.1/0.8F5.0	HiC[Si]	---	94 x 94	8.3	215	---	x	I2C	TO-39
HTPA32x32dR2L5.0/0.85F7.7e	HiC	---	34 x 34	8.3	215	---	x	I2C	TO-39
Dual Optics									
HTPA32x32dR2L4.0/0.7F7.7	HiC	---	40 x 40****	8.3	140	---	x	I2C	TO-39
HTPA60x40d									
HTPA60x40dL1.9/0.8	---	UHiC	92 x 59	21.2	---	80	x	SPI	TO-39
HTPA60x40dL4.0/0.8	---	UHiC	38 x 25	21.2	---	100	x	SPI	TO-39

### Standard parts with shorter delivery time

Available parts in sample quantities  
 --- Parts not in assortment / not available  
 \* estimated NETD  
 \*\* on request  
 \*\*\* estimated FOV  
 \*\*\*\* 50 % sensitivity FOV  
 \*\*\*\*\* in development

Order Example: HTPA32x32dR2L5.0/0.85F7.7eHiC[Si] (sensor + variant)

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# Overview Infrared Thermopile Array Sensors

## HTPA Assortment (2/2)

Sensor	variants		FOV [°]****	default FPS [Hz]	typical Hi, NETD [mK] @ 1Hz@25°C	typical UHi, NETD [mK] @ 1Hz@25°C	NO dual use	interface	TO-header
	Xenon	Vacuum							
HTPA84x60d									
HTPA84x60dL3.1/0.8	---	---	100 x 68 ***	tbd	---	tbd	x	SPI	TO-8
HTPA84x60dL7.0/0.8	---	---	40 x 28 ***	tbd	---	tbd	x	SPI	TO-8
HTPA80x64d									
HTPA80x64dR2L3.9/0.8	HiC	UHiC	120 x 90***	9	155	80	X	SPI	TO-8
HTPA80x64dR2L4.8/0.8	HiC	UHiC	90 x 70***	9	165	75	X	SPI	TO-8
HTPA80x64dR2L10/0.7F7.7	HiC	UHiC	41 x 33***	9	155	75	X	SPI	TO-8
HTPA80x64dR2L10.5/0.95F7.7	HiC	UHiC	38 x 30***	9	210		X	SPI	TO-8
HTPA80x64dR2L21.5/0.9	HiC[Ge/Si]	UHiC[Ge/Si]	19 x 15***	9	260	110	X	SPI	TO-8
HTPA80x64dR2L33/1.05	HiC**	UHiC**	12 x 9***	9	300	155	X	SPI	TO-8
HTPA120x84d									
HTPA120x84dL3.95/0.8	---	UHiC	120 x 77***	9	---	tbd		SPI	TO-8
HTPA120x84dL4.8/0.8	---	UHiC	90 x 60***	9	---	145		SPI	TO-8
HTPA120x84dL10/0.72F7.7	---	UHiC	41 x 29***	9	---	130*		SPI	TO-8
HTPA120x84dL21.5/0.9	---	UHiC	19 x 15***	9	---	190*		SPI	TO-8
HTPA120x84dL33/1.05	---	UHiC	12 x 9***	9	---	330*		SPI	TO-8
HTPA160x120d									
HTPA160x120dL3.95/0.8	---	UHiC	120 x 80***	9	---	tba		SPI	TO-8
HTPA160x120dL10/0.72F7.7	---	UHiC	38 x 29***	9	---	tba		SPI	TO-8

### Standard parts with shorter delivery time

Available parts in sample quantities  
 --- Parts not in assortment / not available  
 \* estimated NETD  
 \*\* on request  
 \*\*\* estimated FOV  
 \*\*\*\* 50 % sensitivity FOV  
 \*\*\*\*\* in development

Order Example: HTPA32x32dR2L5.0/0.85F7.7eHiC[Si] (sensor+ variant)

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