

# 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	Vacuum+ Umbrella							
HTPA8x8d										
HTPA8x8dR1L0.8/0.8F5.0	HiC[Si]	---	---	47 x 47	37	124	---	x	I2C	TO-46
HTPA8x8dR1L2.1/0.8F5.0	HiC[Si]	---	---	23 x 23	37	127	---	x	I2C	TO-46
HTPA16x4d										
HTPA16x4R1L2.1	EA	---	---	110 x 25	16	75	---	x	I2C	TO-39
HTPA16x4R1L3.6	EA	---	---	60 x 15	16	125	---	x	I2C	TO-39
HTPA16x4R1L5.5	EA	---	---	35 x 9	16	170	---	x	I2C	TO-39
HTPA16x16d										
HTPA16x16dR2L1.0/0.8F5.0	HiC[Si]****	---	---	90 x 90	17.5	160*	---	x	I2C	TO-39
HTPA16x16dR2L2.1/0.8F5.0	HiC[Si]	---	---	45 x 45	17.5	160	---	x	I2C	TO-39
HTPA16x16dR2L5.0/0.85F7.7	HiC	---	---	16 x 16	17.5	155	---	x	I2C	TO-39
HTPA32x32d										
Single Optics										
HTPA32x32dR2L1.6/0.8F5.0	HiC[Si]	---	---	95 x 95	8.3	370	---	x	I2C	TO-39
HTPA32x32dR2L1.9/0.8	HiC[Ch]	---	---	96 x 96	8.3	173	---	x	I2C	TO-39
HTPA32x32dR2L2.1/0.8F5.0	HiC[Si]	---	---	90 x 90	8.3	329	---	x	I2C	TO-39
HTPA32x32dR2L5.0/0.85F7.7e	HiC	---	---	33 x 33	8.3	254	---	x	I2C	TO-39
Dual Optics										
HTPA32x32dR2L1.8/0.7	HiC	---	---	93 x 93	8.3	160	---	x	I2C	TO-39
HTPA32x32dR2L4.0/0.7F7.7	HiC	---	---	40 x 40	8.3	140	---	x	I2C	TO-39
HTPA60x40d										
HTPA60x40dR1L1.9/0.8	---	---	TUHiC[Ch]	92 x 60***	21.2	tbd	tbd	x	SPI	TO-39
HTPA60x40dR1L4.0/0.8	---	---	TUHiC[Ch]	38 x 25***	21.2	tbd	tbd	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  
 \*\*\*\* available from Q1/22

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	Vacuum+ Umbrella							
HTPA84x60d										
HTPA84x60dL3.1	---	---	TUHiC[Ch]	100 x 68 ***	tbd	tbd	tbd	x	SPI	TO-8
HTPA84x60dL7.0/0.8F7.7	---	---	TUHiC[Ch]	40 x 28 ***	tbd	tbd	tbd	x	SPI	TO-8
HTPA80x64d										
HTPA80x64dR2L3.9/0.8	HiC	UHiC	TUHiC	120 x 90	9	260	87	x	SPI	TO-8
HTPA80x64dR2L4.8/0.8	HiC	UHiC	TUHiC	90 x 70	9	390	80	x	SPI	TO-8
HTPA80x64dR2L10/0.7F7.7	HiC	UHiC	TUHiC	41 x 33	9	233	70	x	SPI	TO-8
HTPA80x64dR2L10.5/0.95F7.7	HiC	UHiC	TUHiC	39 x 31	9	333	115*	x	SPI	TO-8
HTPA80x64dR2L21.5/0.9	HiC[Ge/Si]	UHiC[Ge/Si]	TUHiC[Ge/Si]	19 x 15	9	263	90*	x	SPI	TO-8
HTPA80x64dR2L33/1.05	HiC**	UHiC**	TUHiC**	12 x 9	9	279	155*	x	SPI	TO-8
HTPA120x84d										
HTPA120x84dL3.9/0.8	HiC	---	TUHiC	120 x 77	9	---	170*	---	SPI	TO-8
HTPA120x84dL4.8/0.8	HiC	---	TUHiC	90 x 60	9	---	250*	---	SPI	TO-8
HTPA120x84dL10/0.7F7.7	HiC	---	TUHiC	41 x 29	9	---	150	---	SPI	TO-8
HTPA120x84dL33/1.05	HiC**	---	TUHiC**	12 x 9	9	---	300*	---	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

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

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