

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]	--	--	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]	--	TUHiC	>90 x 90***	17.5	130	30	x	I2C	TO-39
HTPA16x16dR2L1.6/0.8F5.0	HiC[Si]	--	TUHiC	46 x 46	17.5	210	--	x	I2C	TO-39
HTPA16x16dR2L2.1/0.8F5.0	HiC[Si]	--	TUHiC	44 x 44	17.5	135	35	x	I2C	TO-39
HTPA16x16dR2L5.0/0.85F7.7	HiC	--	TUHiC	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	--	--	TUHiC[Ch]	92 x 59	21.2	--	80	x	SPI	TO-39
HTPA60x40dL4.0/0.8	--	--	TUHiC[Ch]	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	Vacuum + Umbrella							
HTPA84x60d										
HTPA84x60dL3.1	—	—	TUHiC[Ch]	100 x 68 ***	tbd	—	tbd	x	SPI	TO-8
HTPA84x60dL7.0/0.8	—	—	TUHiC[Ch/Ge]	40 x 28 ***	tbd	—	tbd	x	SPI	TO-8
HTPA80x64d										
HTPA80x64dR2L3.9/0.8	HiC	UHiC	TUHiC	120 x 90***	9	155	80	X	SPI	TO-8
HTPA80x64dR2L4.8/0.8	HiC	UHiC	TUHiC	90 x 70***	9	165	75	X	SPI	TO-8
HTPA80x64dR2L10/0.7F7.7	HiC	UHiC	TUHiC	41 x 33***	9	155	75	X	SPI	TO-8
HTPA80x64dR2L10.5/0.95F7.7	HiC	UHiC	TUHiC	38 x 30***	9	210	—	X	SPI	TO-8
HTPA80x64dR2L21.5/0.9	HiC[Ge/Si]	UHiC[Ge/Si]	TUHiC[Ge/Si]	19 x 15***	9	260	110	X	SPI	TO-8
HTPA80x64dR2L33/1.05	HiC**	UHiC**	TUHiC[Ge/Si]**	12 x 9***	9	300	155	X	SPI	TO-8
HTPA120x84d										
HTPA120x84dL3.9/0.8	—	—	TUHiC	120 x 77***	9	—	150		SPI	TO-8
HTPA120x84dL4.8/0.8	—	—	TUHiC	90 x 60***	9	—	145		SPI	TO-8
HTPA120x84dL10/0.7F7.7	—	—	TUHiC	41 x 29***	9	—	130		SPI	TO-8
HTPA120x84dL21.5/0.9	—	—	TUHiC[Ge/Si]**	19 x 15***	9	—	190*		SPI	TO-8
HTPA120x84dL33/1.05	—	—	TUHiC[Ge/Si]**	12 x 9***	9	—	330*		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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