

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)



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]	100x68 ***	tbd	--	tbd	x	SPI	TO-8
HTPA84x60dL7.0/0.8	--	--	TUHiC[Ch/Ge]	40x28 ***	tbd	--	tbd	x	SPI	TO-8
HTPA80x64d										
HTPA80x64dR2L3.9/0.8	HiC	UHiC	TUHiC	120x90***	9	155	80	x	SPI	TO-8
HTPA80x64dR2L4.8/0.8	HiC	UHiC	TUHiC	90x70***	9	165	75	x	SPI	TO-8
HTPA80x64dR2L10/0.7F7.7	HiC	UHiC	TUHiC	41x33***	9	155	75	x	SPI	TO-8
HTPA80x64dR2L10.5/0.95F7.7	HiC	UHiC	TUHiC	38x30***	9	210	--	x	SPI	TO-8
HTPA80x64dR2L21.5/0.9	HiC[Ge/Si]	UHiC[Ge/Si]	TUHiC[Ge/Si]	19x15***	9	260	110	x	SPI	TO-8
HTPA80x64dR2L33/1.05	HiC**	UHiC**	TUHiC[Ge/Si]**	12x9***	9	300	155	x	SPI	TO-8
HTPA120x84d										
HTPA120x84dL3.9/0.8	--	--	TUHiC	120x77***	9	--	150		SPI	TO-8
HTPA120x84dL4.8/0.8	--	--	TUHiC	90x60***	9	--	145		SPI	TO-8
HTPA120x84dL10/0.7F7.7	--	--	TUHiC	41x29***	9	--	130		SPI	TO-8
HTPA120x84dL21.5/0.9	--	--	TUHiC[Ge/Si]**	19x15***	9	--	190*		SPI	TO-8
HTPA120x84dL33/1.05	--	--	TUHiC[Ge/Si]**	12x9***	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)

