

# Overview Infrared Thermopile Array Sensors



## HTPA Assortment

Uncalibrated Sensor	Calibrated Sensor	Module (UDP)	AppSet	FOV [°]	default FPS [Hz]	typical Hi, NETD [mK] @ 1Hz @ 25°C	typical UHi, NETD [mK] @ 1Hz @ 25°C*	NO dual use
<b>HTPA8x8d</b>								
HTPA8x8dR1L0.0/0.8F5.0HIS[S]	HTPA8x8dR1L0.0/0.8F5.0HIC[S]	HTPA8x8dR1L0.0/0.8F5.0HIM(UDP)[S]	HTPA8x8dR1L0.0/0.8F5.0HIA[S]	47 x 47	37	124	---	X
HTPA8x8dR1L2.1/0.8F5.0HIS[S]	HTPA8x8dR1L2.1/0.8F5.0HIC[S]	HTPA8x8dR1L2.1/0.8F5.0HIM(UDP)[S]	HTPA8x8dR1L2.1/0.8F5.0HIA[S]	23 x 23	37	127	---	X
<b>HTPA16x4d</b>								
---	HTPA16x4R1L2.1EA	HTPA16x4R1L2.1EA-M(UDP)	HTPA16x4R1L2.1EA-A	110x25	16	75	---	X
---	HTPA16x4R1L3.6EA	HTPA16x4R1L3.6EA-M(UDP)	HTPA16x4R1L3.6EA-A	60x15	16	125	---	X
---	HTPA16x4R1L5.5EA	HTPA16x4R1L5.5EA-M(UDP)	HTPA16x4R1L5.5EA-A	35 x 9	16	170	---	X
<b>HTPA16x16d</b>								
HTPA16x16dR2L1.0/0.8F5.0HIS[S]**	HTPA16x16dR2L1.0/0.8F5.0HIC[S]**	HTPA16x16dR2L1.0/0.8F5.0HIM(UDP)[S]**	HTPA16x16dR2L1.0/0.8F5.0HIA[S]**	90 x 90	17.5	160*	---	X
HTPA16x16dR2L1.6/0.8F5.0HIS[S]	HTPA16x16dR2L1.6/0.8F5.0HIC[S]	HTPA16x16dR2L1.6/0.8F5.0HIM(UDP)[S]	HTPA16x16dR2L1.6/0.8F5.0HIA[S]	54 x 54	17.5	160*	---	X
HTPA16x16dR2L2.1/0.8F5.0HIS[S]	HTPA16x16dR2L2.1/0.8F5.0HIC[S]	HTPA16x16dR2L2.1/0.8F5.0HIM(UDP)[S]	HTPA16x16dR2L2.1/0.8F5.0HIA[S]	45 x 45	17.5	160	---	X
HTPA16x16dR2L5.0/0.8F7.7HIS	HTPA16x16dR2L5.0/0.8F7.7HIC	HTPA16x16dR2L5.0/0.8F7.7HIM(UDP)	HTPA16x16dR2L5.0/0.8F7.7HIA	16 x 16	17.5	155	---	X
<b>HTPA32x32d</b>								
<b>Single Optics</b>								
HTPA32x32dR2L1.6/0.8F5.0HIS[S]	HTPA32x32dR2L1.6/0.8F5.0HIC[S]	HTPA32x32dR2L1.6/0.8F5.0HIM(UDP)[S]	HTPA32x32dR2L1.6/0.8F5.0HIA[S]	95 x 95	8.3	370	---	X
HTPA32x32dR2L1.9/0.8HIS[Ch]	HTPA32x32dR2L1.9/0.8HIC[Ch]	HTPA32x32dR2L1.9/0.8HIM(UDP)[Ch]	HTPA32x32dR2L1.9/0.8HIA[Ch]	96 x 96	8.3	173	---	X
HTPA32x32dR2L2.1/0.8F5.0HIS[S]	HTPA32x32dR2L2.1/0.8F5.0HIC[S]	HTPA32x32dR2L2.1/0.8F5.0HIM(UDP)[S]	HTPA32x32dR2L2.1/0.8F5.0HIA[S]	90 x 90	8.3	329	---	X
HTPA32x32dR2L5.0/0.8F7.7HIS	HTPA32x32dR2L5.0/0.8F7.7HIC	HTPA32x32dR2L5.0/0.8F7.7HIM(UDP)	HTPA32x32dR2L5.0/0.8F7.7HIA	33 x 33	8.3	254	---	X
<b>Dual Optics</b>								
HTPA32x32dR2L1.8/0.7HIS	HTPA32x32dR2L1.8/0.7HIC	HTPA32x32dR2L1.8/0.7HIM(UDP)	HTPA32x32dR2L1.8/0.7HIA	93 x 93	8.3	160	---	X
HTPA32x32dR2L4.0/0.7F7.7HIS	HTPA32x32dR2L4.0/0.7F7.7HIC	HTPA32x32dR2L4.0/0.7F7.7HIM(UDP)	HTPA32x32dR2L4.0/0.7F7.7HIA	40 x 40	8.3	140	---	X
<b>HTPA80x64d</b>								
HTPA80x64dR2L3.9/0.8HIS	HTPA80x64dR2L3.9/0.8HIC	HTPA80x64dR2L3.9/0.8HIM(UDP)	HTPA80x64dR2L3.9/0.8HIA	120x90	9	260	87	X
HTPA80x64dR2L4.8/0.8HIS	HTPA80x64dR2L4.8/0.8HIC	HTPA80x64dR2L4.8/0.8HIM(UDP)	HTPA80x64dR2L4.8/0.8HIA	90 x 70	9	390	80	X
HTPA80x64dR2L10.0/0.7F7.7HIS	HTPA80x64dR2L10.0/0.7F7.7HIC	HTPA80x64dR2L10.0/0.7F7.7HIM(UDP)	HTPA80x64dR2L10.0/0.7F7.7HIA	41 x 33	9	233	70	X
HTPA80x64dR2L10.5/0.95F7.7HIS	HTPA80x64dR2L10.5/0.95F7.7HIC	HTPA80x64dR2L10.5/0.95F7.7HIM(UDP)	HTPA80x64dR2L10.5/0.95F7.7HIA	39 x 31	9	333	115*	X
HTPA80x64dR2L21.5/0.9HIS[Ge/S]	HTPA80x64dR2L21.5/0.9HIC[Ge/S]	HTPA80x64dR2L21.5/0.9HIM(UDP)[Ge/S]	HTPA80x64dR2L21.5/0.9HIA[Ge/S]	19 x 15	9	263	90*	X
HTPA80x64dR2L33/1.05HIS**	HTPA80x64dR2L33/1.05HIC**	HTPA80x64dR2L33/1.05HIM(UDP)**	HTPA80x64dR2L33/1.05HIA**	12 x 9	9	279	155*	X
<b>HTPA120x84d</b>								
HTPA120x84dL3.9/0.8TUHIS	HTPA120x84dL3.9/0.8TUHIC	HTPA120x84dL3.9/0.8TUHIM(UDP)	HTPA120x84dL3.9/0.8TUHIA	120 x 77	9	---	170*	
HTPA120x84dL4.8/0.8TUHIS	HTPA120x84dL4.8/0.8TUHIC	HTPA120x84dL4.8/0.8TUHIM(UDP)	HTPA120x84dL4.8/0.8TUHIA	90 x 60	9	---	250*	
HTPA120x84dL10.0/0.7F7.7TUHIS	HTPA120x84dL10.0/0.7F7.7TUHIC	HTPA120x84dL10.0/0.7F7.7TUHIM(UDP)	HTPA120x84dL10.0/0.7F7.7TUHIA	41 x 29	9	---	150	
HTPA120x84dL33/1.05TUHIS**	HTPA120x84dL33/1.05TUHIC**	HTPA120x84dL33/1.05TUHIM(UDP)**	HTPA120x84dL33/1.05TUHIA**	12 x 9	9	---	300*	

**Standard parts with shorter delivery time**  
 Available parts in sample quantities  
 - Parts not in assortment / not available  
 \* estimated NETD  
 \*\* on request  
 \*\*\* available from Q4/21