



Commercialization and Business Development of Terahertz-Related Devices



Hamamatsu Photonics K.K.



	Features	Applications
THz PMT	● High-speed response (ns) ● Super non-linear response for tiny signal changes ● Direct THz electric field measurement	● THz electric field intensity measurement ● Various THz applications
THz I.I.	● High-speed imaging (up to 1000 fps) ● Real-time THz beam profile & focus monitoring	● THz beam monitoring ● Optical alignment
Terahertz spectrometer	● Water-vapor insensitive (no purge) ● High stability & reproducibility ● Compact, space-saving design	● Quality and manufacturing process control (real-time monitoring) ● Research and development
Terahertz wave plates	● Ultra-broadband THz pulse control ● Co-axial input/output ● Large aperture, compact ● CEP control (by combination)	● THz phase control ● THz polarization imaging ● THz-STM (CEP control)