MRTech IFF SDK benchmarks

RTSP / WebRTC streaming

System configuration

NVIDIA RTX PRO 6000 Blackwell Workstation Edition

IFF SDK v2.1, Ubuntu Linux 25.10

IFF SDK `farsight` sample application

Codec

H.265 (HEVC)

level 6.2, High tier, P1 preset

approx. 50 Mbps per camera

Cameras: XIMEA CB654CG-GP-X8G3 in GPUDirect RDMA mode

8K UHD (7680 x 4320)

number of cameras	sensor bitdepth	input bitdepth	processing bitdepth	demosaic algorithm	color corr. algorithm	GPU load	memory load	encoder load	frame rate, FPS	processing latency, ms
1	10	10	16-bit	DFPD	matrix	16%	16%	35%	**1x 110***	**8**
2	10	10	16-bit	DFPD	matrix	35%	35%	68%	**2x 110***	**10**
3	10	10	16-bit	DFPD	matrix	44%	44%	89%	**3x 90**	**10**
4	10	10	16-bit	DFPD	matrix	43%	43%	87%	**4x 65**	**14**

* limited by maximum camera (sensor) frame rate and not by GPU performance