



Tough love

The Prosilica GT Heat Pack

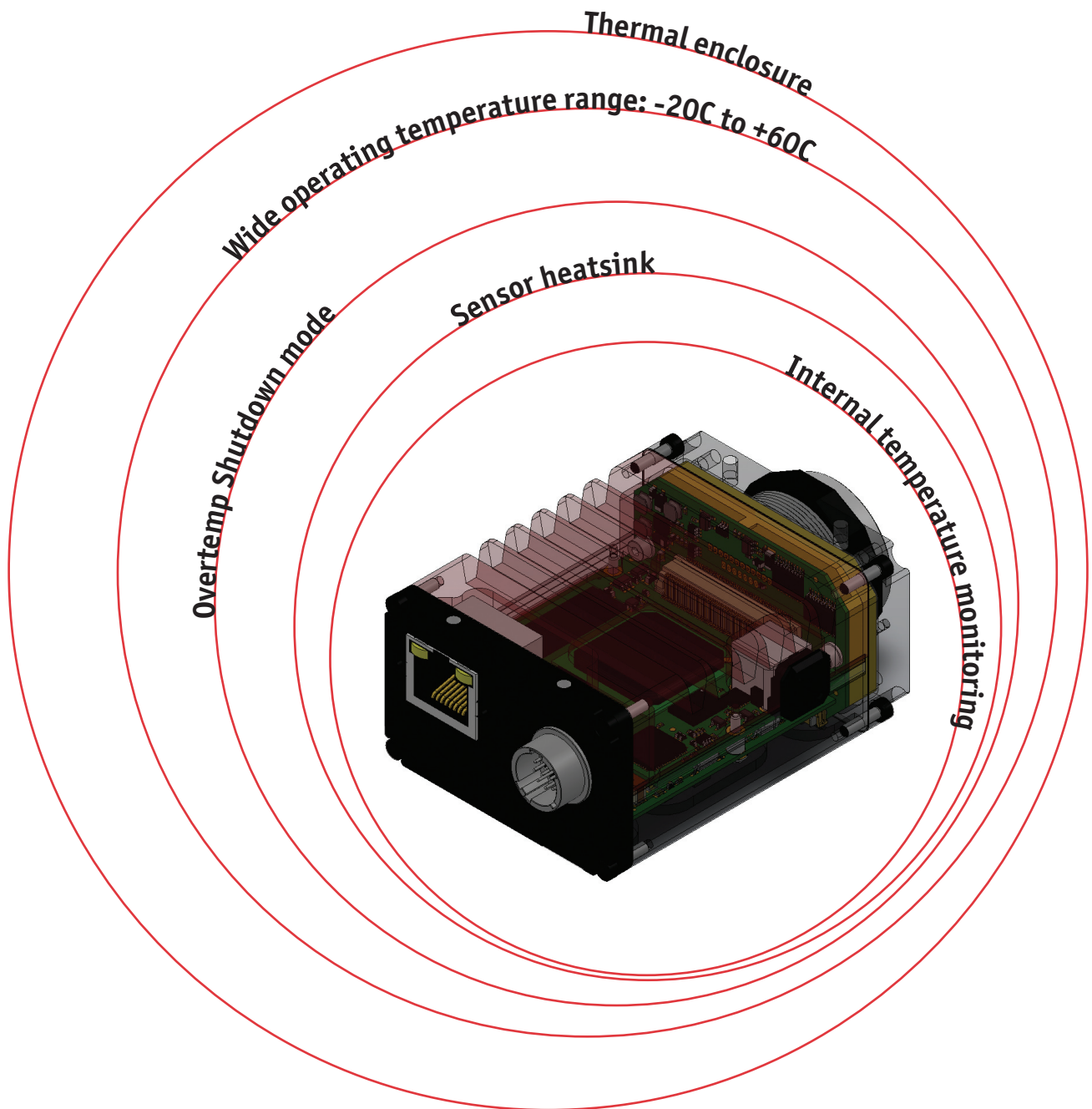
The Prosilica GT by Allied Vision Technologies are extremely rugged industrial cameras designed for demanding machine vision and industrial applications that require cameras to work in extreme temperatures.



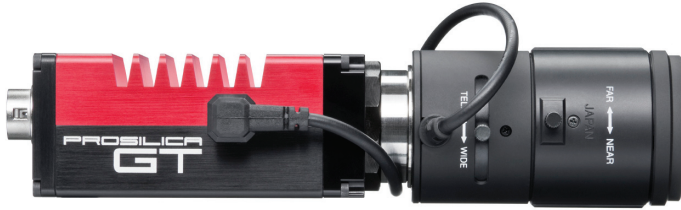
www.alliedvisiontec.com

The Prosilica GT - Heat Features

The Prosilica GT's thermal housing is designed to maximize heat transfer away from key components and to ensure the camera can survive in extreme temperatures from **-20°C to +60°C** (14°F to 140°F). The user is able to **monitor camera temperature remotely** and the **device will power down** if a critical limit is reached preventing critical sensor or FPGA damage. By employing **Ethernet surge suppression** technology the Prosilica GT is also designed to survive a lightning storm.



Prosilica GT Models



Prosilica GT



- Wide operating temperature range
- High sensitivity and high speed
- P-iris and DC auto iris lens control
- PoE (Power over Ethernet)

Prosilica GT

Model	Interface	Resolution	MPixels	Frame rate	Sensor type	Sensor	A/D	Memory
GT1290	GigE	1280 x 960	1.2	33 fps	1/3 CCD	Sony ICX445	14 bits	128 MB
GT1380	GigE	1360 x 1024	1.4	30 fps	2/3 CCD	Sony ICX285	14 bits	128 MB
GT1600	GigE	1620 x 1220	2	25 fps	1/1.8 CCD	Sony ICX274	14 bits	128 MB
GT1660 NEW	GigE	1600 x 1200	1.9	62 fps	2/3 CCD	Truesense KAI-02050	14 bits	128 MB
GT1910	GigE	1920 x 1080	2	57 fps	2/3 CCD	Truesense KAI-02150	14 bits	128 MB
GT1920	GigE	1936 x 1456	2.8	40 fps	2/3 CCD	Sony ICX674	14 bits	128 MB
GT2000* NEW	GigE	2048 x 1088	2.2	50 fps	2/3 CMOS	CMOSIS CMV-2000	14 bits	128 MB
GT2050* NEW	GigE	2048 x 2048	4.2	25 fps	1/1 CMOS	CMOSIS CMV-2000	14 bits	128 MB
GT2300	GigE	2336 x 1752	4	29 fps	1/1 CCD	Truesense KAI-04050	14 bits	128 MB
GT2450	GigE	2448 x 2050	5	15 fps	2/3 CCD	Sony ICX625	14 bits	128 MB
GT2750*	GigE	2750 x 2200	6	19 fps	1/1 CCD	Sony ICX694	14 bits	128 MB
GT3300* NEW	GigE	3296 x 2472	8	14 fps	4/3 CCD	Truesense KAI-08050	14 bits	128 MB
GT6600* NEW	GigE	6576 x 4384	29	4 fps	35mm CCD	Truesense KAI-29050	14 bits	128 MB

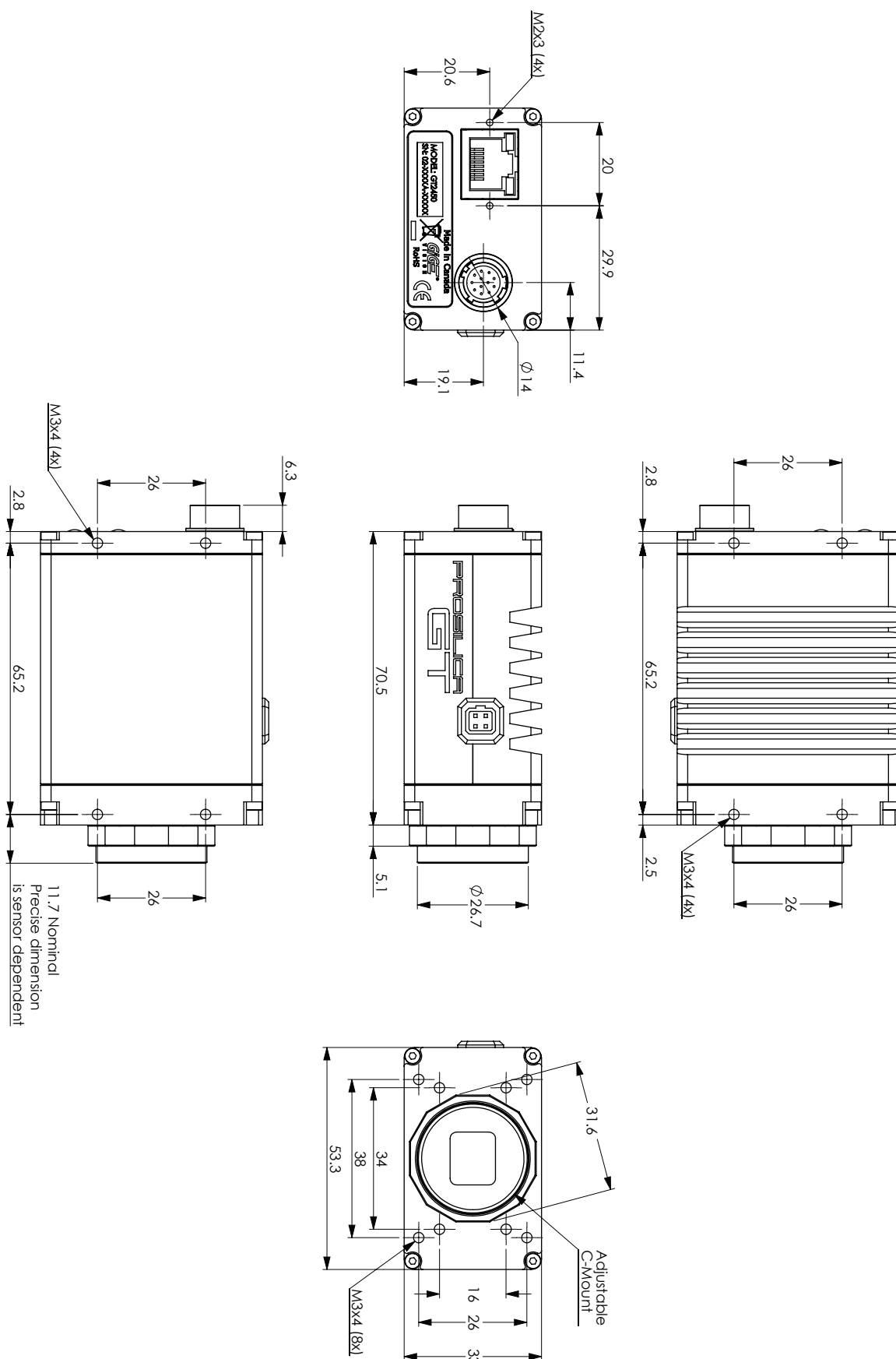
*All data for these cameras are preliminary

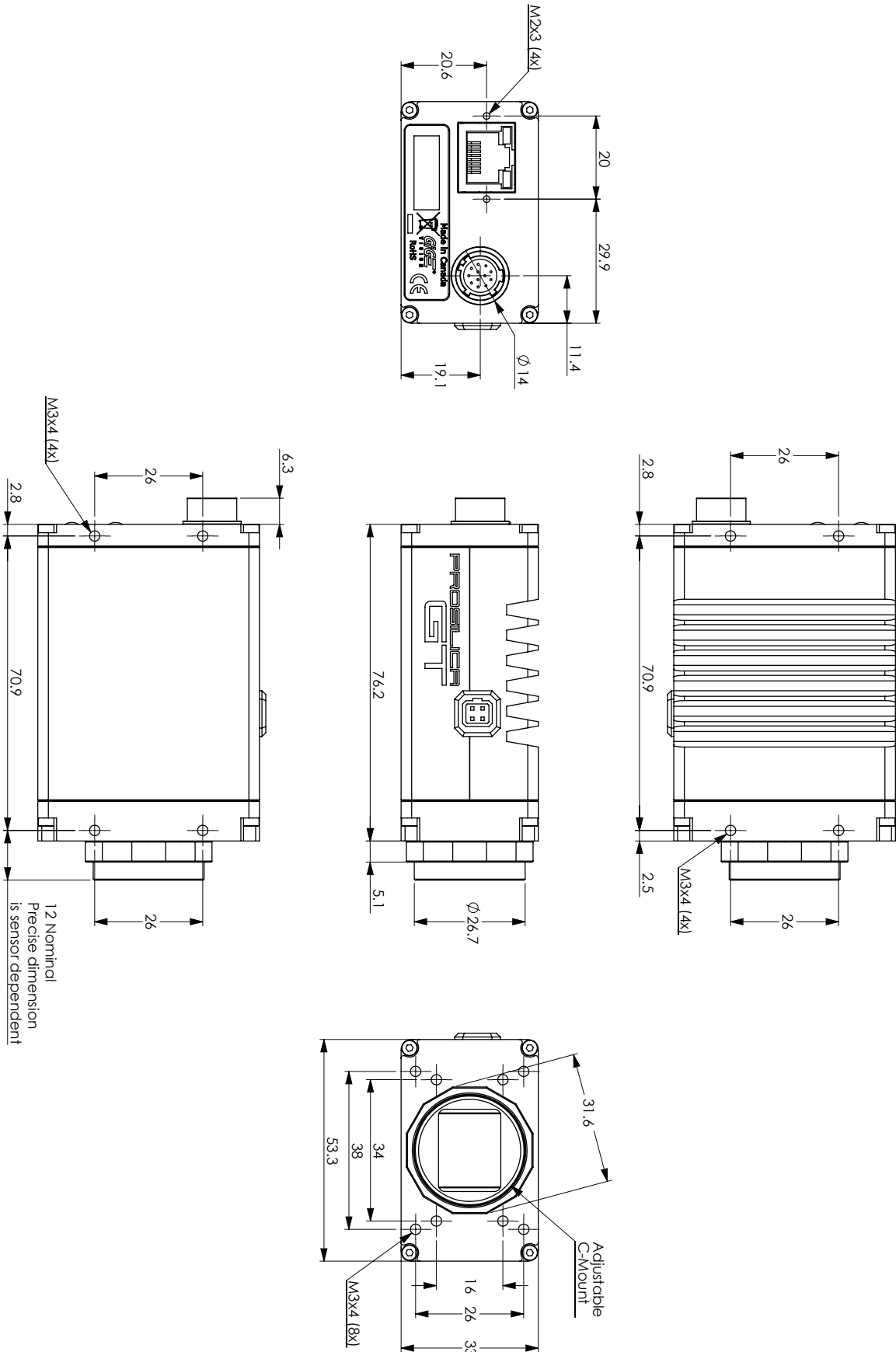
Smart Features

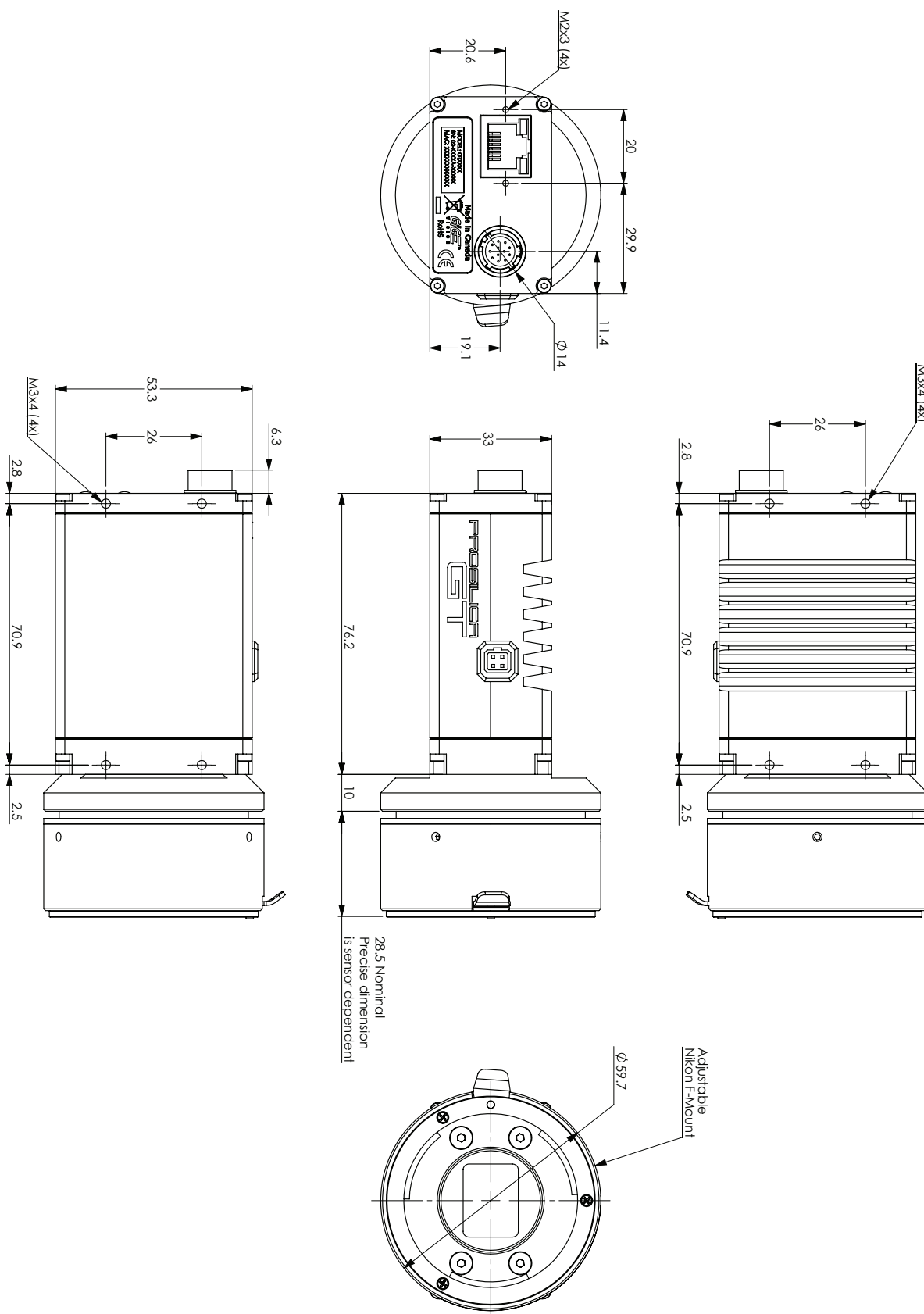
- Auto iris (P-iris/Precise iris and DC)
- Gain, exposure
- White balance
- Programmable lookup tables
- Gamma
- Color correction
- Binning
- Image hold
- Clock synchronization (PTP IEEE 1588)
- StreamBytesPerSecond (easy bandwidth control)
- Chunk data
- Recorder mode (pre/post trigger recording)
- Storable user sets

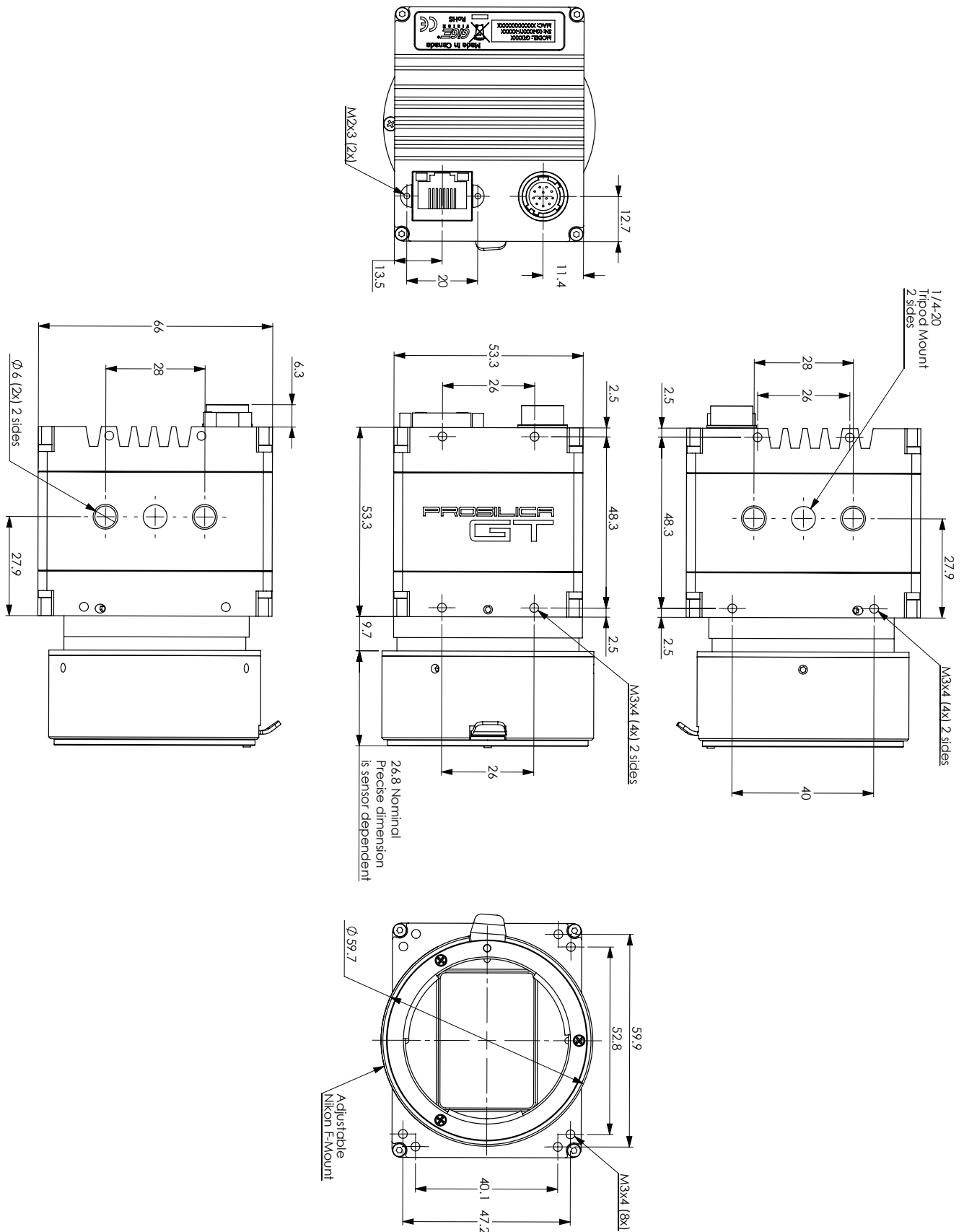
Operating Conditions

Power requirements	DC 7 V - 25 V via 12-pin HIROSE/PoE
Power consumption	< 5.5 W (@ 12 V DC)
Operating temperature	-20 ... +60 °Celsius ambient temp.
Storage temperature	-20 ... +70 °Celsius ambient temp.
Regulations	CE, FCC Class A, RoHS (2002/95/EC)













Tough love