

KCC 200 N



KONGSBERG



Thermal panoramic imagery for low-visibility conditions

The navigator's eyes are always on watch. The KONGSBERG Camera Cluster 200 N (KCC 200 N) is designed to support visual situational awareness by providing thermal panoramic imagery in a compact and durable housing. The N version employs four Long-Wave Infrared (LWIR) sensors to generate a 195° panorama. Thermal imaging can provide additional visual information in challenging conditions, including darkness and sun-glare. Each camera is individually calibrated to correct lens distortions, enabling high-quality image stitching across the panoramic view.

Technical specifications

Performance

Image frame rate	Up to 4 FPS
Image format	JPEG
Image transport protocol	TCP
Image output	Individual camera streams (no panorama)
Video frame rate	30 FPS
Video streaming protocol	RTP or RTSP
Video transport	TCP or UDP (Unicast/multicast)
Video compression	H.264 or H.265
Video output	Individual camera streams or half-resolution panorama
Resolution per camera	640 × 480 px (0.3 Mpx)
Field of view (H × V)	195° ±3° (h) × 40° ±3° (v)

Input/output

Gigabit Ethernet

Weight and dimensions

Sensor Unit	
Dimensions	301 × 351 × 176 mm
Weight	9 kg
Mounting bracket, standard	0.5 kg

Junction Box

Dimensions	240 × 110 × 100 mm
Weight	3.2 kg

Power specifications

Sensor Unit	
Supply voltage	12 - 30 VDC
Power consumption, mean	~20 W
Power consumption, max	75 W

Junction Box

Supply voltage	230 VAC
Power consumption, max	75 W

Environmental specifications

Sensor Unit

Operating temperature	-20 to +40 °C
Storage temperature	-30 to +80 °C
Enclosure protection	IP66

Junction Box

Operating temperature	-20 to +55 °C
Storage temperature	-20 to +70 °C
Enclosure protection	IP66

Standards and regulations

Electromagnetic compatibility, EMCD, immunity/emission	IEC 60945, IACS E10
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Product safety

Compliance to LVD	IEC 62368-1:2020
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Accessories

Mounting brackets: standard, wall-mount, mast-mount
Washing kit with optional washer tank

Specifications subject to change without any further notice.