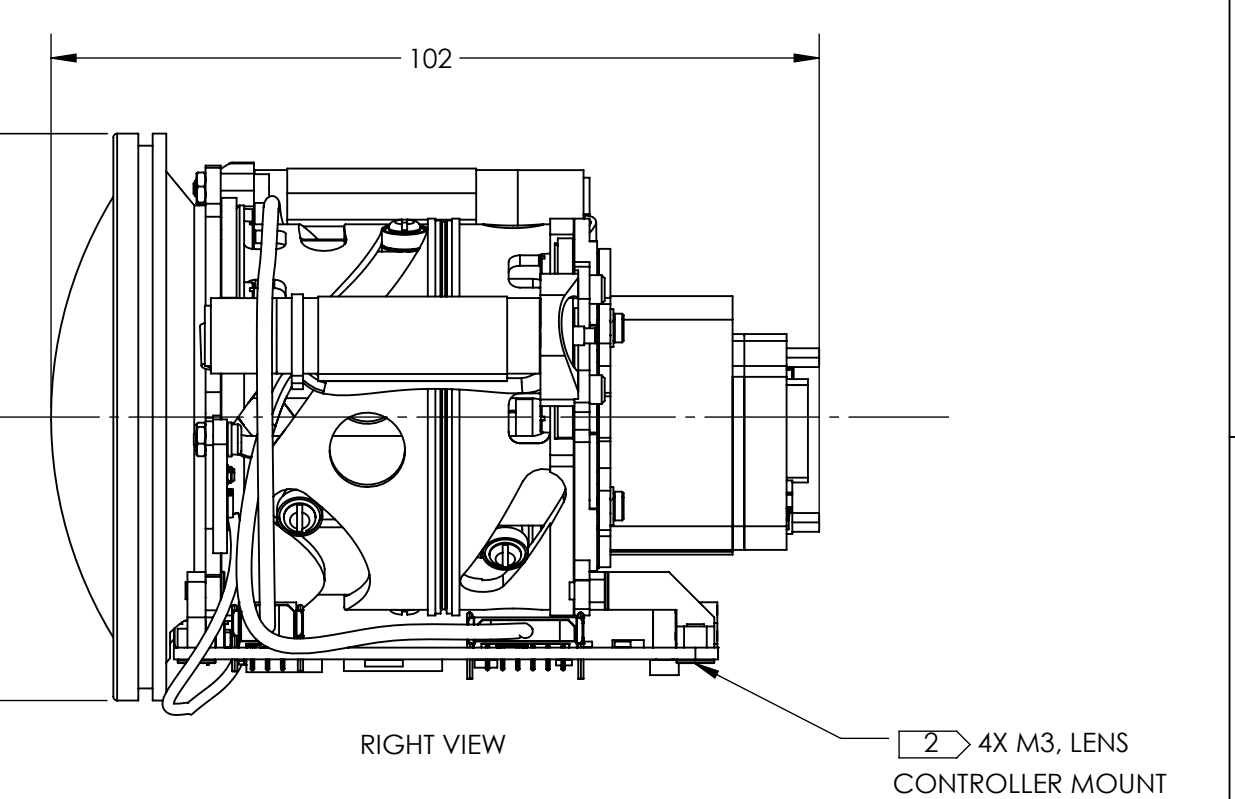
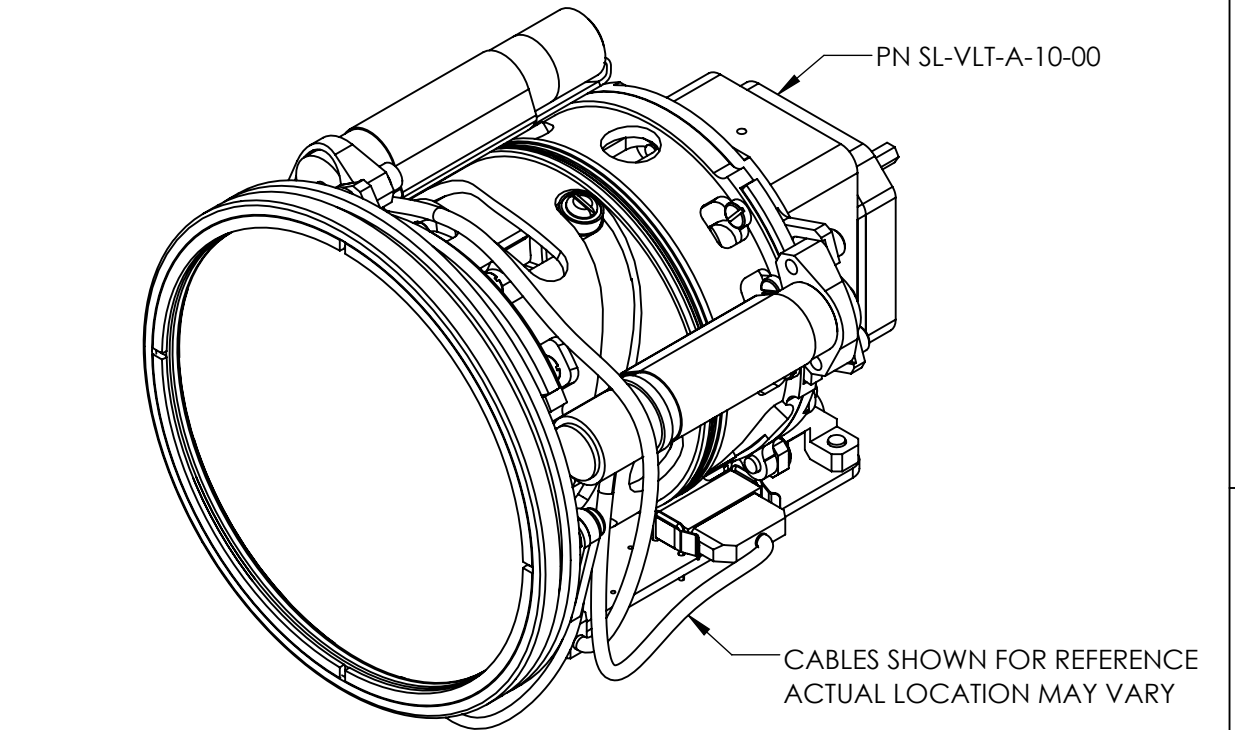

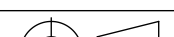


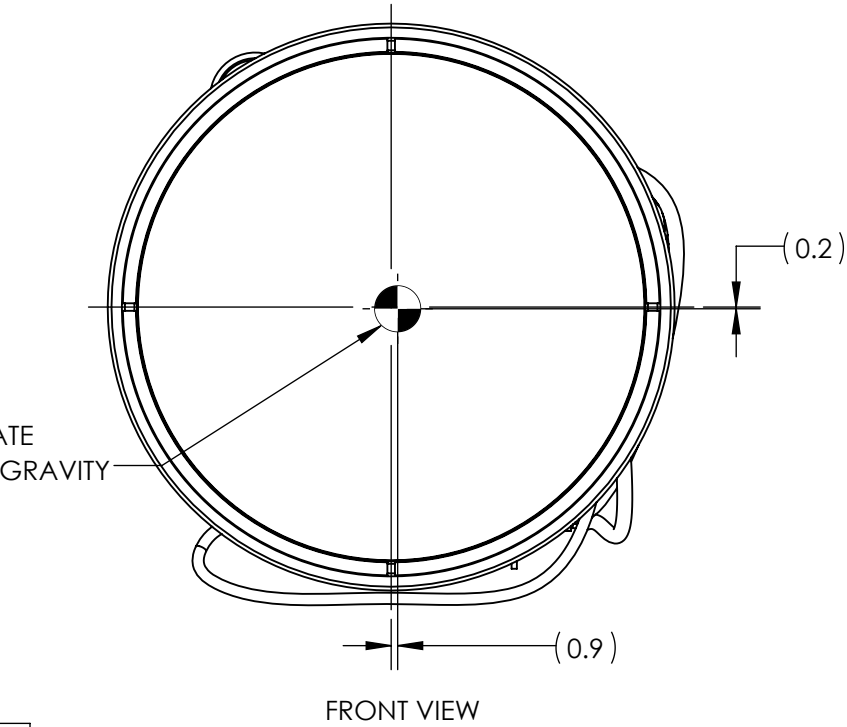
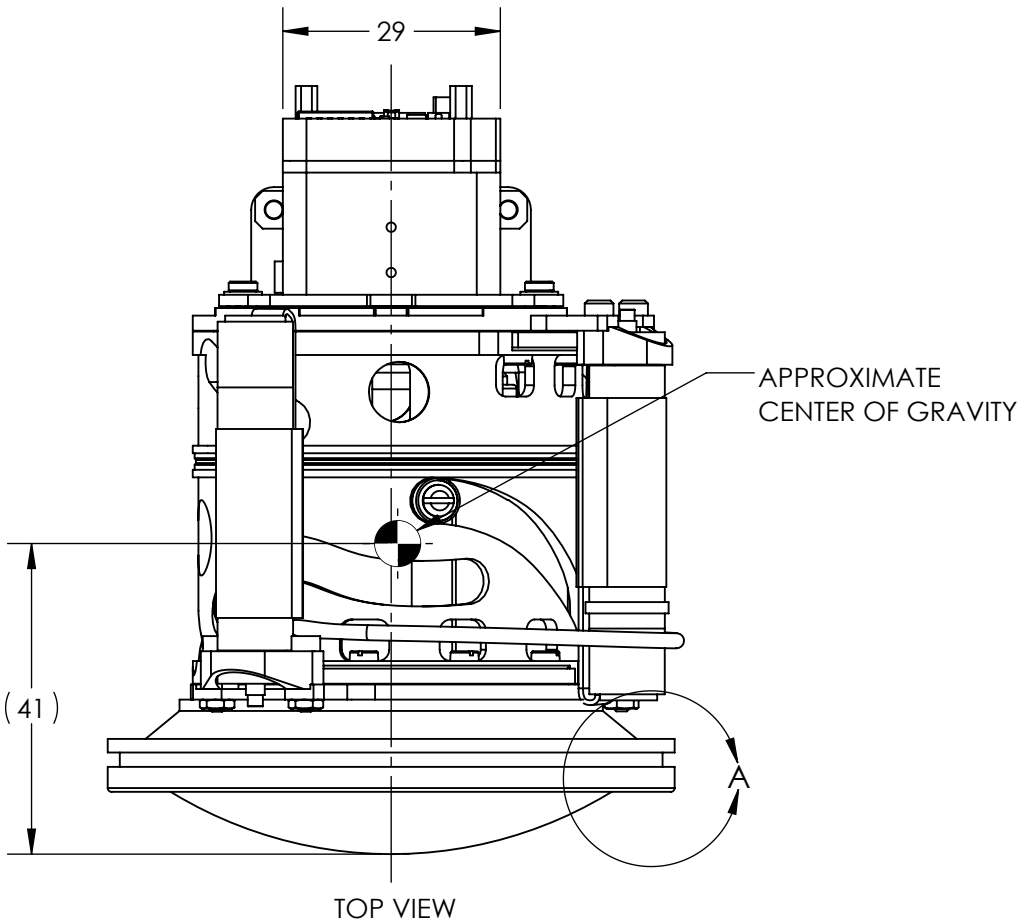
NOTES:

- DATUM A DEFINES IP67 SEALING SURFACE AND THE PRIMARY MOUNT LOCATION.
- SECONDARY MOUNT LOCATION, REQUIRES RELOCATION OF THE LENS CONTROLLER PCB.
- APPROXIMATE TOTAL MASS SEE TABLE 1.
- FOR SENSOR CONNECTOR INFORMATION REFERENCE TENUM 640 ELECTRICAL ICD DOCUMENT NO: 1040066.
- FOR LENS CONNECTOR INFORMATION, REFERENCE OPHIR GEN3-USER MANUAL. NOTE: MOMENTARY INRUSH OF 1.4A IS POSSIBLE AT POWER ON.
- RECOMMENDED WINDOW VERTICAL TILT ANGLE AT WIDE ZOOM = 10°

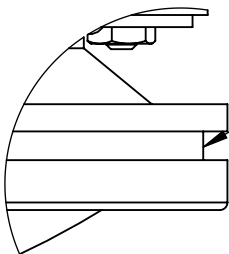
REVISIONS					
ZONE	REV.	DESCRIPTION	ECO	DATE	ENGINEER
	A	INITIAL RELEASE	1801	2024-09-16	D. KAMINSKI
	B	ADD SHEETS 4,5, AND 6. ELIMINATED AR VARIANT, TABLE 1	1821	2025-04-01	C. JOHNSON



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X ± 2.5 mm	ANGLES	MATERIAL: N/A		DESCRIPTION: Mechanical ICD, Vinden 75T Core	
X.X ± 0.3 mm	X ± 1°				
XX.X ± 0.13 mm	X.X ± 0.5°				
THIRD ANGLE PROJECTION		FINISH: N/A		SIZE B	
					
DO NOT SCALE DRAWING					
		N/A		DRAWN BY: D. KAMINSKI	
				DRAWING NUMBER: 20-70042	
				SHEET 1 OF 6	
				Rev. B	



O-RING GROOVE
RECOMMENDED O-RING:
PARKER 2-039 ID=69.57, W=1.78 EPDM-70



DETAIL A
SCALE 2 : 1

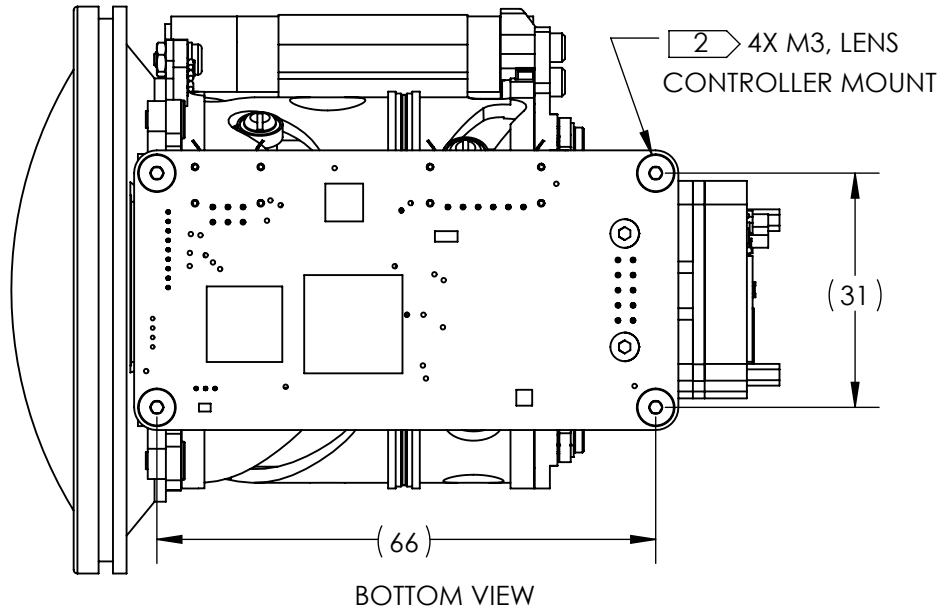
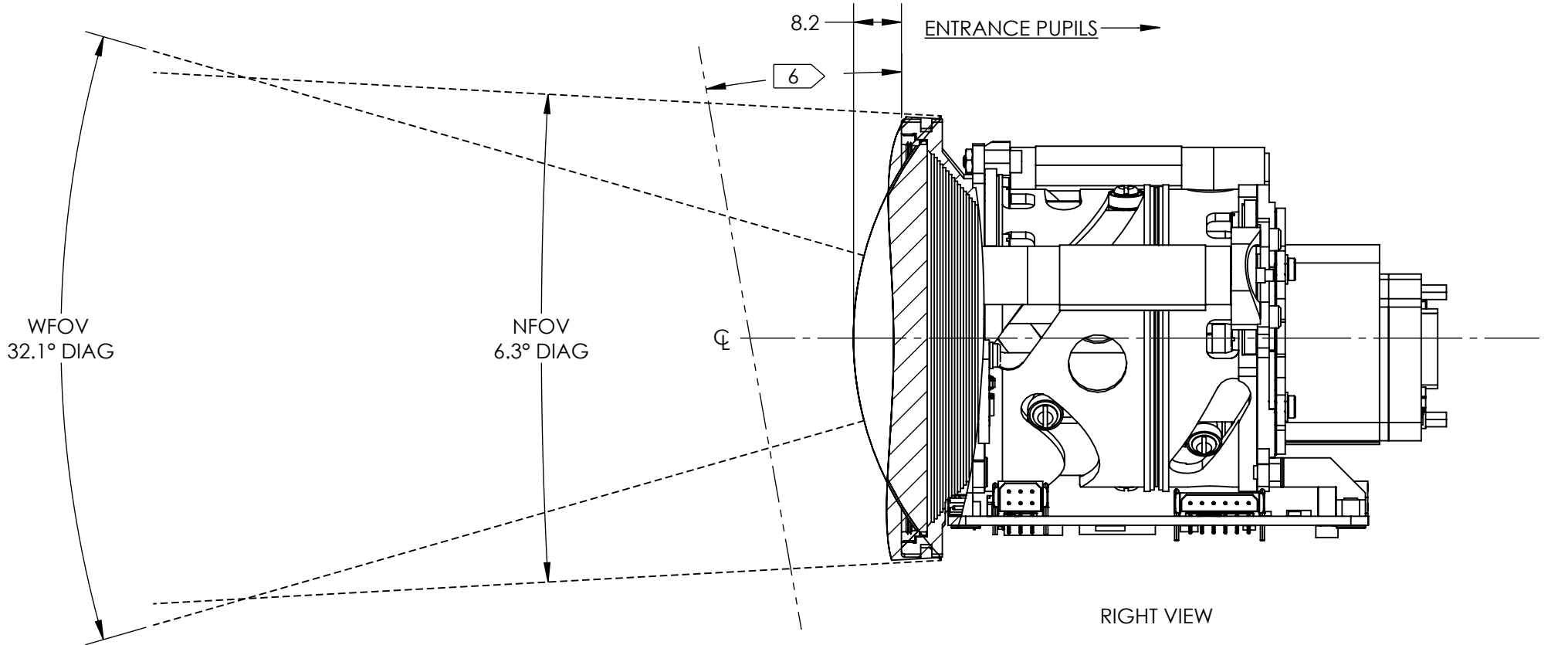
TABLE 1			
PART NUMBER	DESCRIPTION	MASS (g)	LxWxH (mm)
SL-VLT-A-10-00	Vinden 75T Core, DLC Lens	352	102x75x75
SL-VLT-A-20-00	Vinden 75T with FB, DLC Lens	359	108x75x75
SL-VLT-A-30-00	Vinden 75T USB, DLC Lens	359	118x75x75
SL-VLT-A-40-00	Vinden 75T GigE, DLC Lens	398	106x75x75
SL-VLT-A-50-00	Vinden 75T SDI, DLC Lens	363	122X75X75


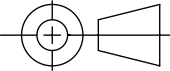
WIDE FIELDS OF VIEW
ENTRANCE PUPIL LOCATION = 26.78mm BEHIND LENS VERTEX
ENTRANCE PUPIL DIAMETER = 13.90mm

HFOV	24.8°
VFOV	19.7°
DFOV	32.1°

NARROW FIELDS OF VIEW
ENTRANCE PUPIL LOCATION = 99.02mm BEHIND LENS VERTEX
ENTRANCE PUPIL DIAMETER = 66.88mm

HFOV	4.9°
VFOV	3.9°
DFOV	6.3°

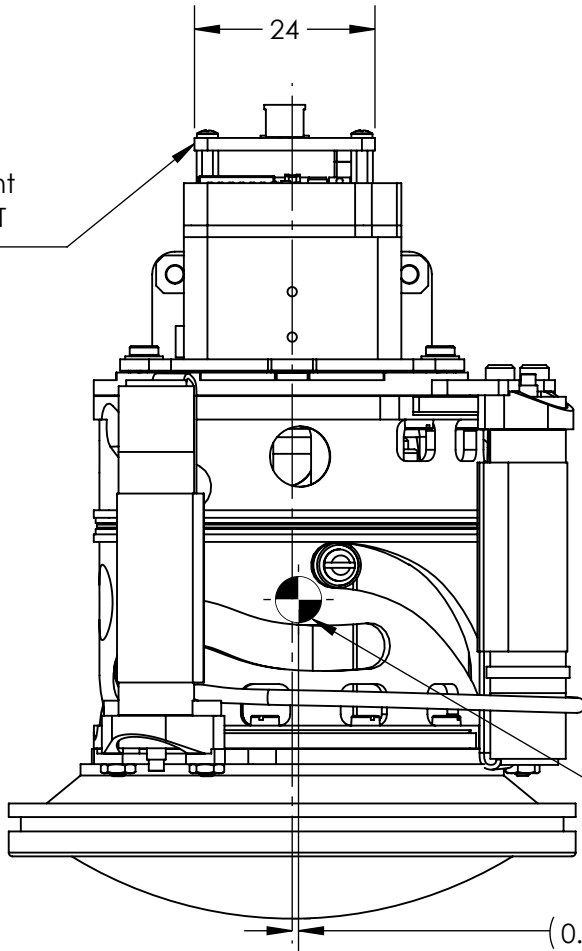


Product Export Classification Control Number(ECCN): 60/30Hz 6A003.b.4.b 9Hz: 6A993 This document does not contain export-controlled technology.	UNLESS OTHERWISE SPECIFIED DIM ARE IN MILLIMETERS		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIERRA OLYMPIA TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SIERRA OLYMPIA TECHNOLOGIES, INC. IS PROHIBITED.		 SIERRA-OLYMPIA TECHNOLOGIES INC.
	X ± 2.5 mm	ANGLES X ± 1°			
	X.X ± 0.3 mm	X ± 1°			
	X.XX ± 0.13 mm	X.X ± 0.5°			
THIRD ANGLE PROJECTION			MATERIAL: N/A		DESCRIPTION: Mechanical ICD, Vinden 75T Core
			FINISH: N/A		SIZE B
DO NOT SCALE DRAWING			N/A		DRAWN BY: D. KAMINSKI
					SHEET 2 OF 6
					DRAWING NUMBER: 20-70042
					Rev. B

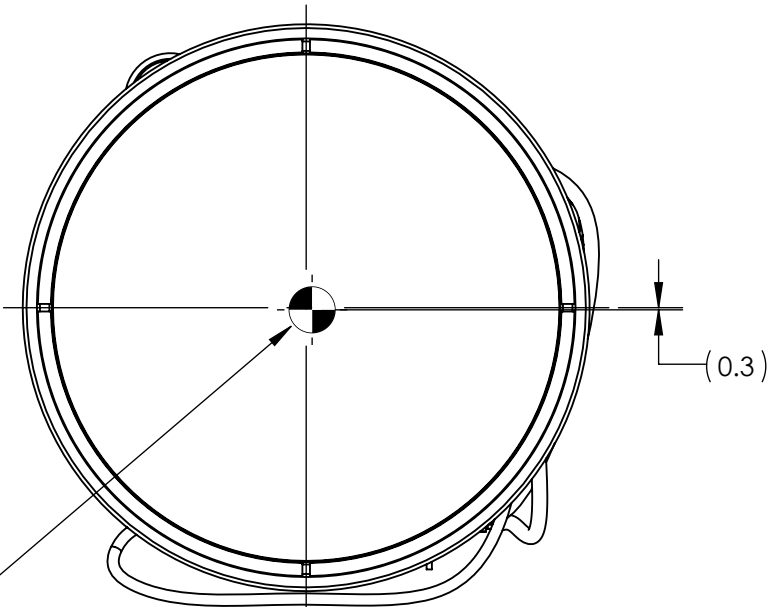
Vinden 75T with Feature Board

PN: SL-VLT-A-20-00 (DLC Lens)

DRS FEATURE BOARD SEE
Tenum_640_Electrical_Interface_Cont
rol_Document_1040066 FOR PIN OUT
APPROXIMATE MASS OF BOARD 7G

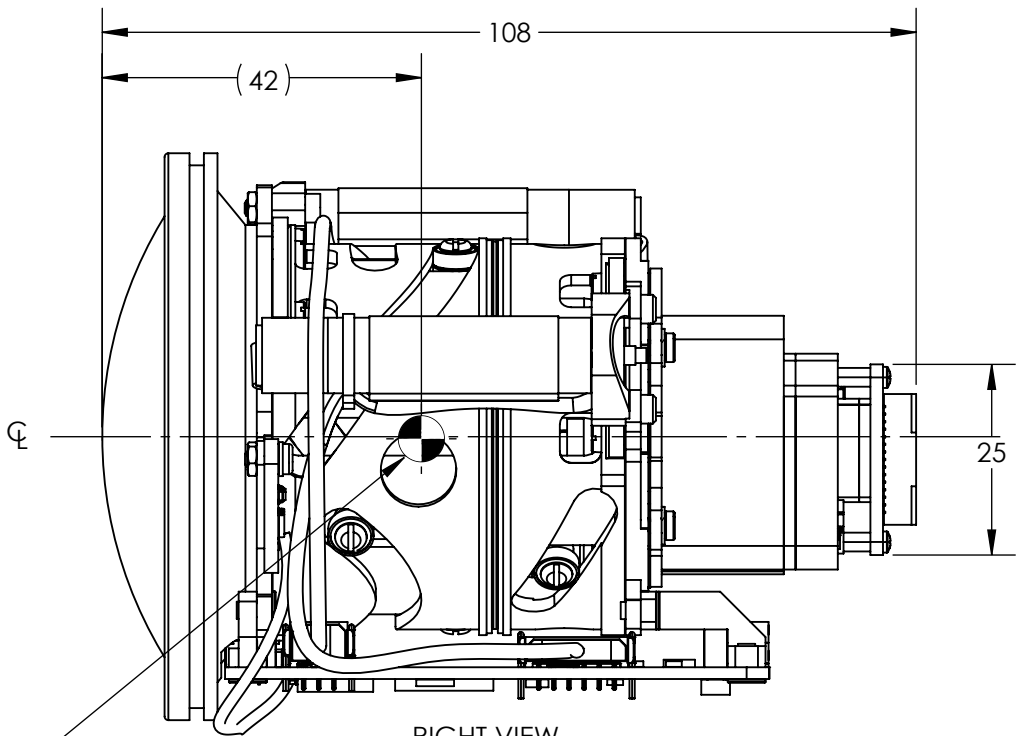
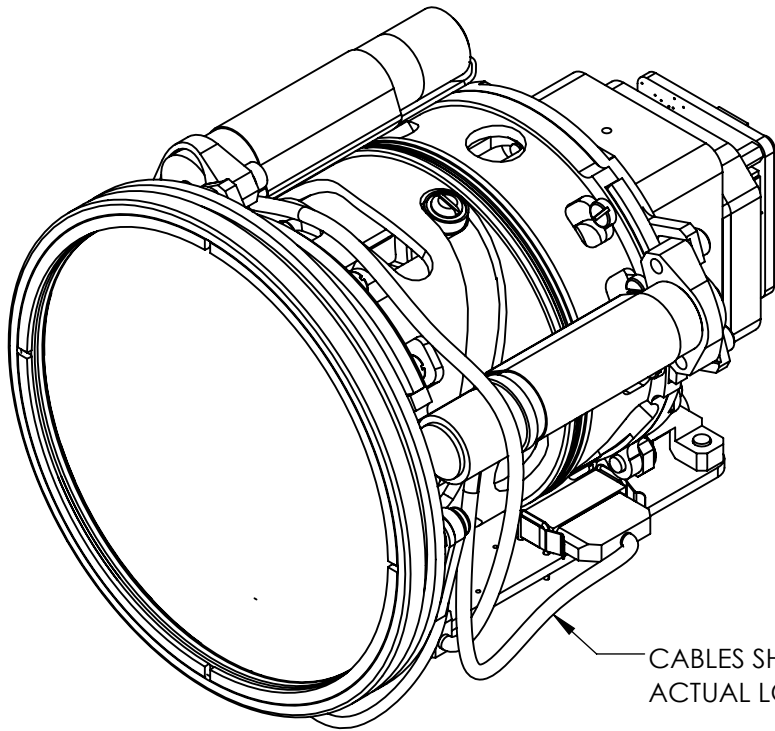


TOP VIEW




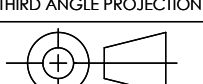
APPROXIMATE
CENTER OF GRAVITY

FRONT VIEW



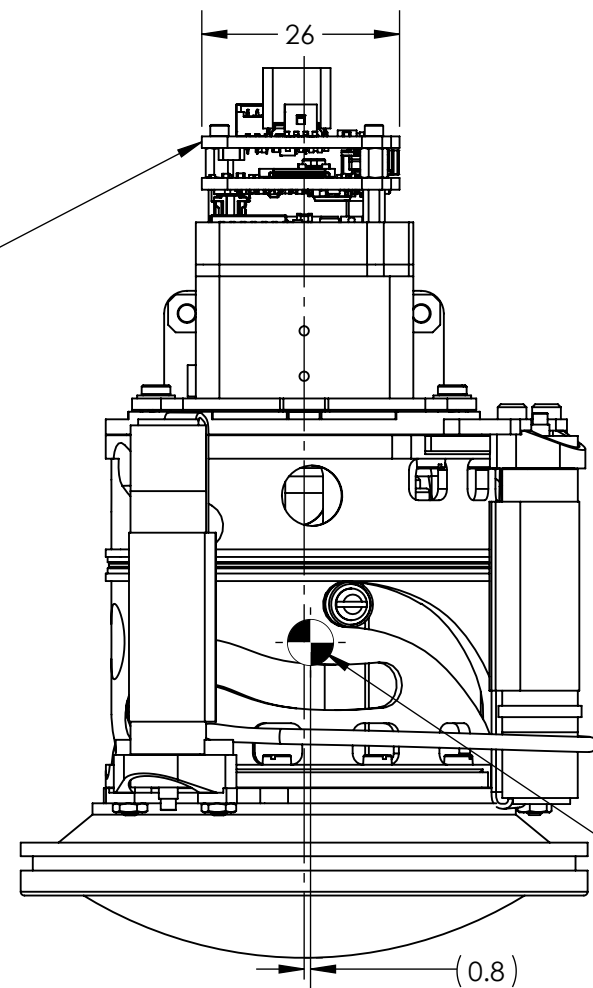
APPROXIMATE
CENTER OF GRAVITY

RIGHT VIEW

Product Export Classification Control Number(ECCN): 60/30Hz 6A003.b.4.b 9Hz: 6A993 This document does not contain export-controlled technology.	UNLESS OTHERWISE SPECIFIED DIM ARE IN MILLIMETERS		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIERRA OLYMPIA TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SIERRA OLYMPIA TECHNOLOGIES, INC. IS PROHIBITED.		 SIERRA-OLYMPIA TECHNOLOGIES INC.		
	X ± 2.5 mm X.X ± 0.3 mm X.XX ± 0.13 mm	ANGLES X ± 1° X.X ± 0.5°					
	THIRD ANGLE PROJECTION						
							
	DO NOT SCALE DRAWING		FINISH: N/A		DESCRIPTION: Mechanical ICD, Vinden 75T Core		
			MATERIAL: N/A		SIZE B	DRAWN BY: D. KAMINSKI	SHEET 3 OF 6
					DRAWING NUMBER: 20-70042		Rev. B

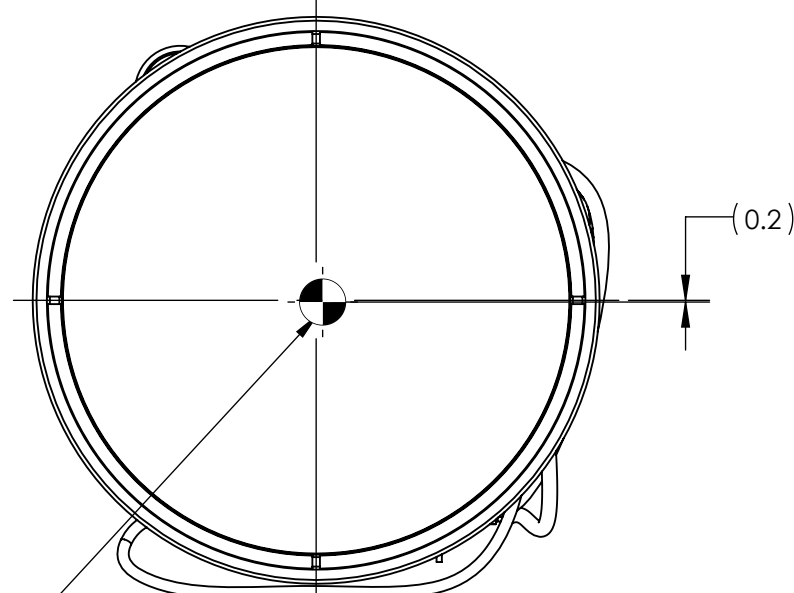
Vinden 75T USB
PN: SL-VLT-A-30-00 (DLC Lens)

USB BOARDS
SEE S-D11285 Electrical ICD, DRS USB
FOR PIN OUT
APPROXIMATE MASS OF BOARDS: 7g



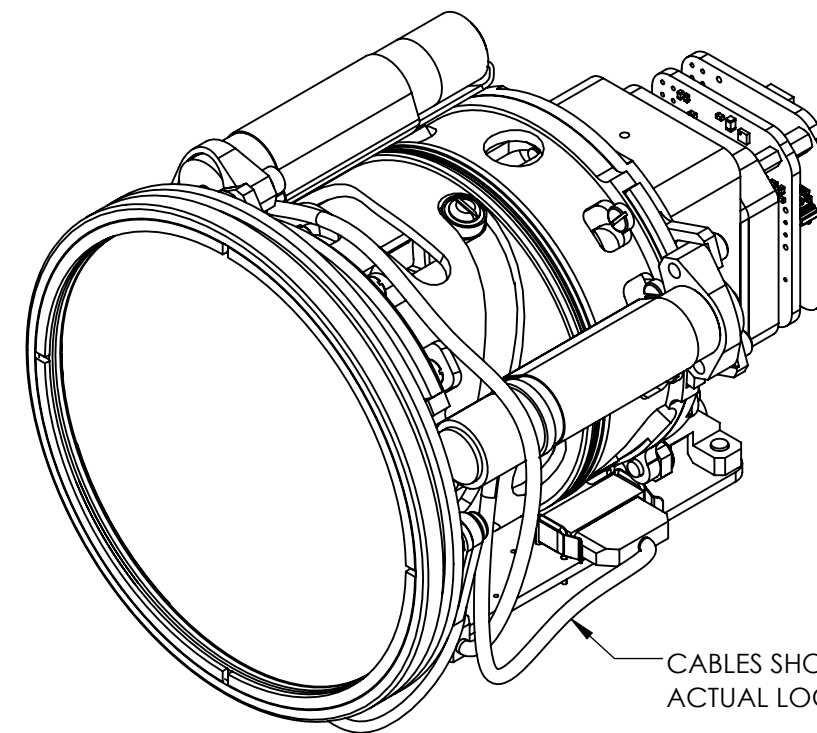
APPROXIMATE
CENTER OF GRAVITY

TOP VIEW

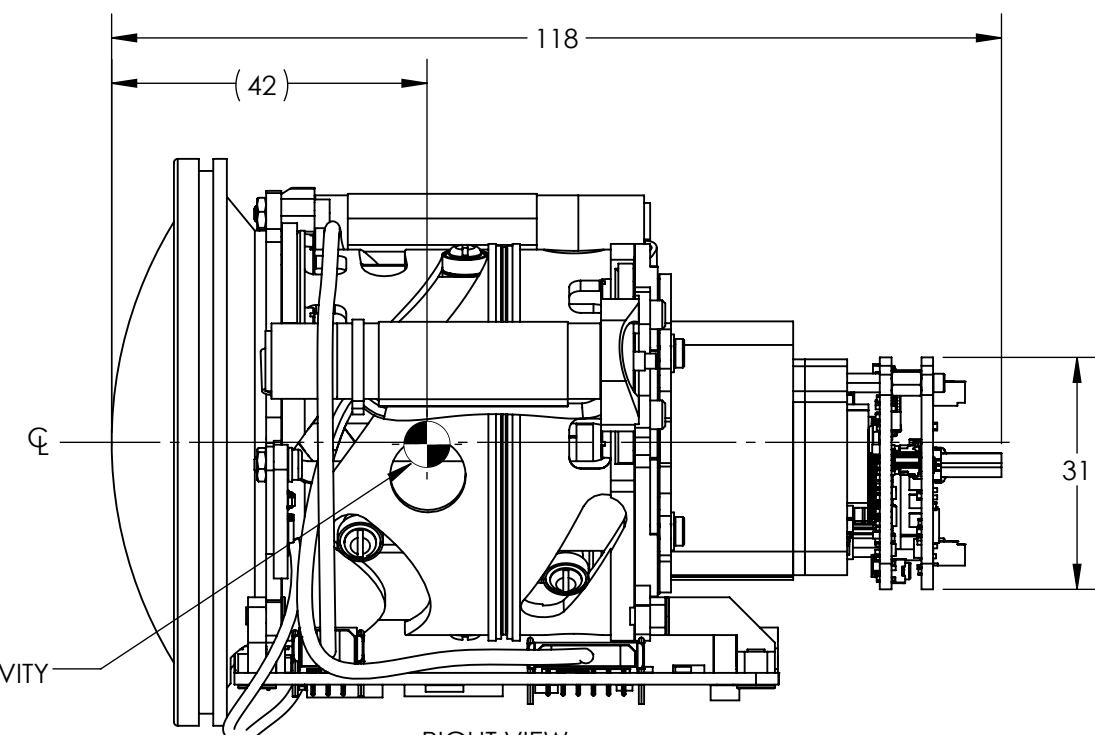


APPROXIMATE
CENTER OF GRAVITY

FRONT VIEW



CABLES SHOWN FOR REFERENCE
ACTUAL LOCATION MAY VARY



APPROXIMATE
CENTER OF GRAVITY

RIGHT VIEW

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	X ± 2.5 mm	ANGLES X ± 1°				
	X.X ± 0.3 mm	X.X ± 0.5°				
	THIRD ANGLE PROJECTION		FINISH: N/A		SIZE B	DRAWN BY: D. KAMINSKI
			N/A		DRAWING NUMBER: 20-70042	
DO NOT SCALE DRAWING						Rev. B

SIERRA-OLYMPIA
TECHNOLOGIES INC.

SIZE
B

DRAWN BY:
D. KAMINSKI

DRAWING NUMBER:
20-70042

SHEET 4 OF 6

Rev. B

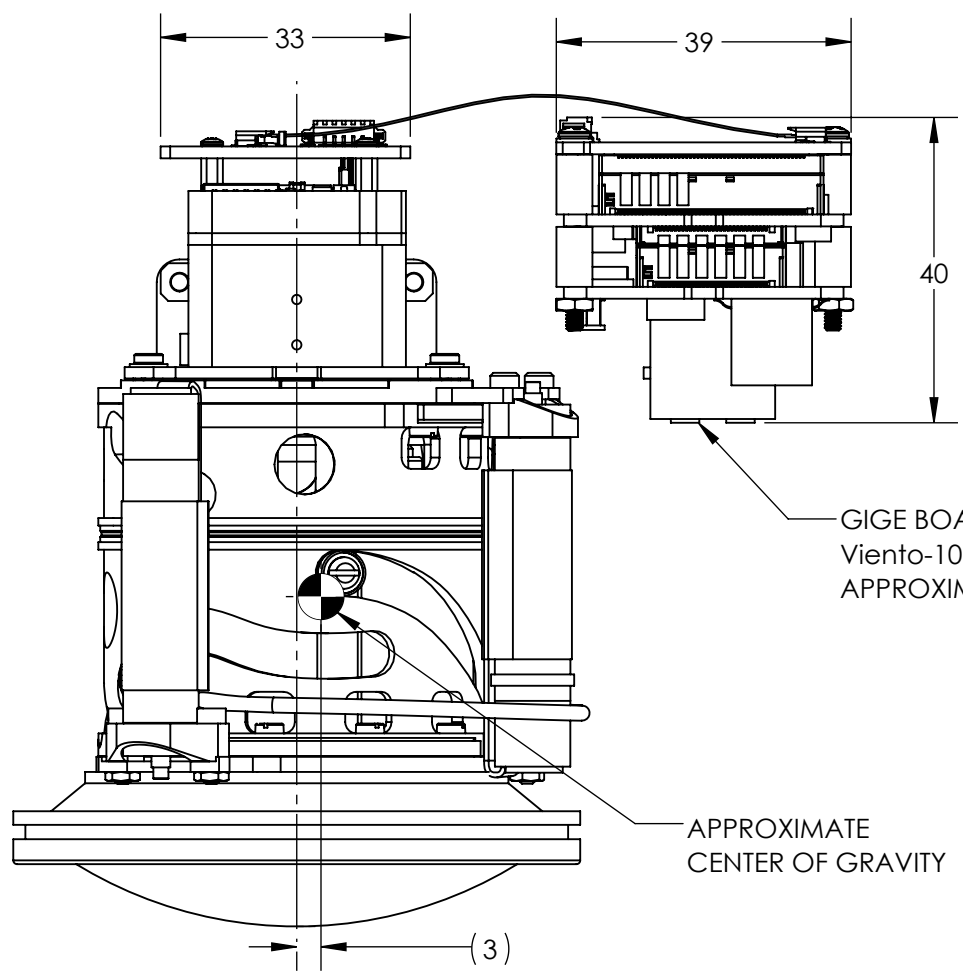
4

3

2

1

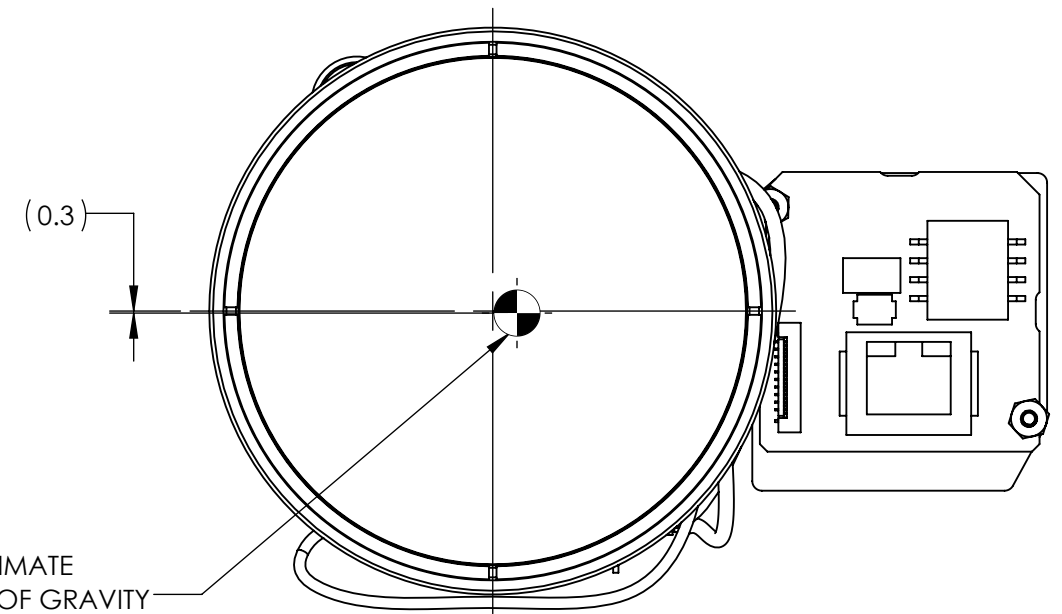
Vinden 75T GigE
PN: SL-VLT-A-40-00 (DLC Lens)



GIGE BOARDS SEE S-D11514 ICD
Viento-10 GigE FOR PIN OUTS
APPROXIMATE MASS OF BOARDS: 46g

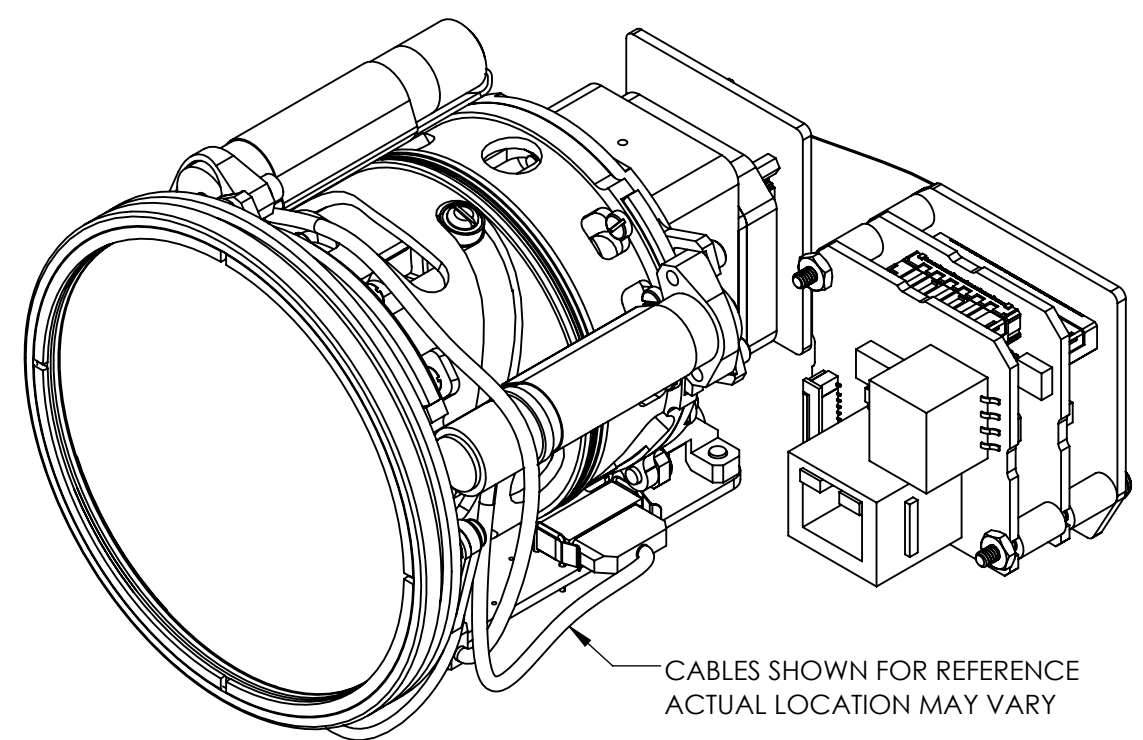
APPROXIMATE
CENTER OF GRAVITY

TOP VIEW

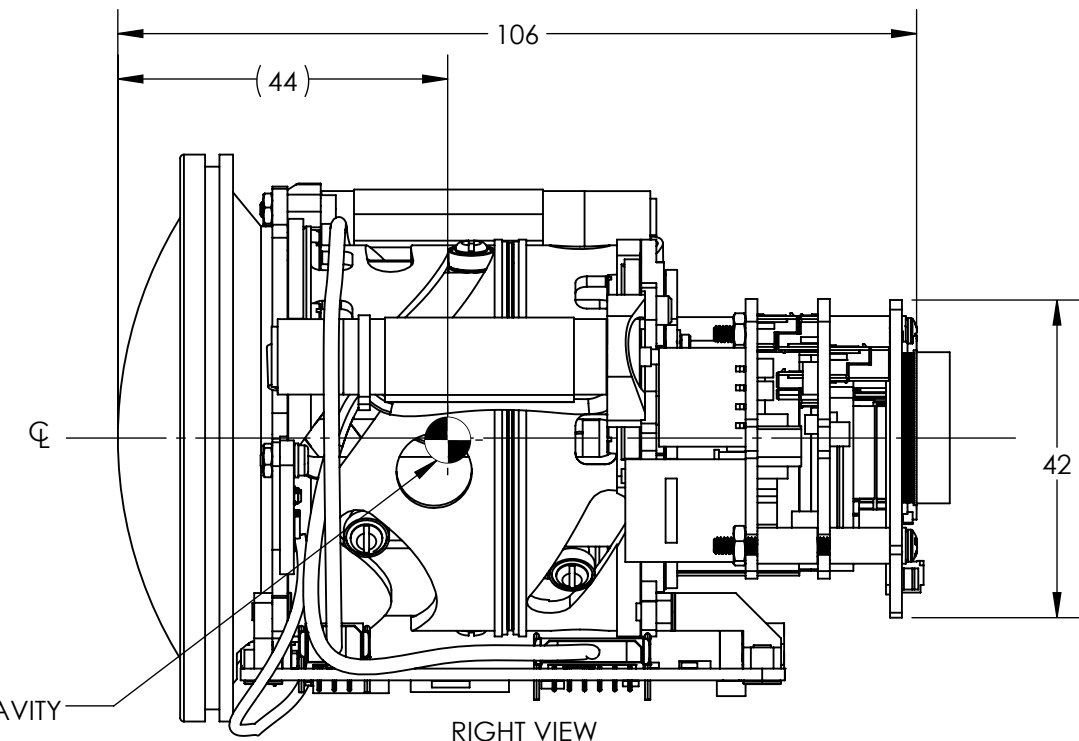


APPROXIMATE
CENTER OF GRAVITY

FRONT VIEW





CABLES SHOWN FOR REFERENCE
ACTUAL LOCATION MAY VARY



APPROXIMATE
CENTER OF GRAVITY

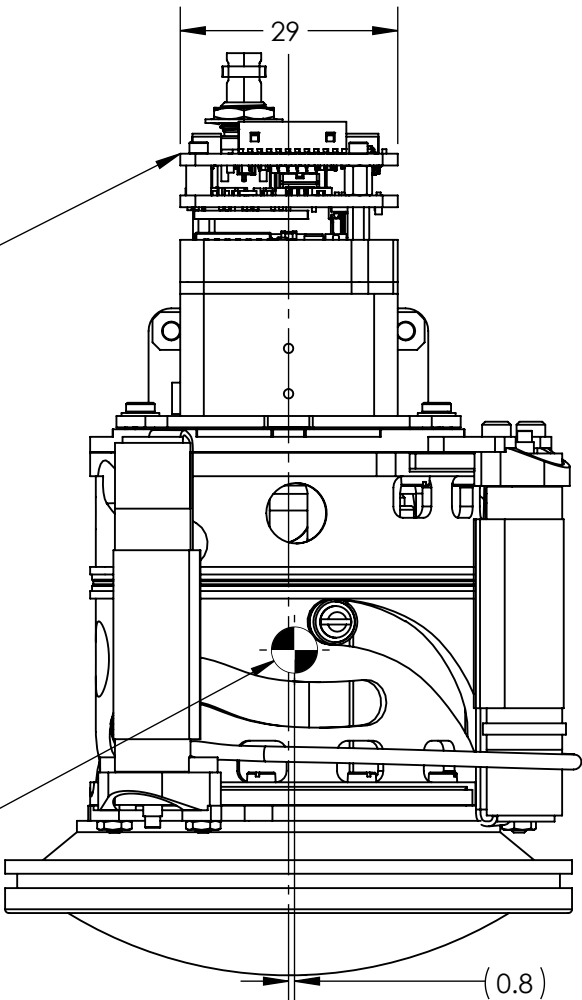
RIGHT VIEW

<div>Product Export Classification Control Number(ECCN): 60/30Hz 6A003.b.4.b 9Hz: 6A993</div> <div>This document does not contain export-controlled technology.</div>	UNLESS OTHERWISE SPECIFIED DIM ARE IN MILLIMETERS		<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIERRA OLYMPIA TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SIERRA OLYMPIA TECHNOLOGIES, INC. IS PROHIBITED.</div>		<div> SIERRA-OLYMPIA TECHNOLOGIES INC.</div>		<div>DESCRIPTION: Mechanical ICD, Vinden 75T Core</div>		
	X ± 2.5 mm	ANGLES X ± 1°							MATERIAL: N/A
	X.X ± 0.3 mm	X ± 1°							
	X.XX ± 0.13 mm	X.X ± 0.5°							
	THIRD ANGLE PROJECTION								
		FINISH: N/A	SIZE B	DRAWN BY: D. KAMINSKI	SHEET 5 OF 6				
DO NOT SCALE DRAWING		N/A	DRAWING NUMBER: 20-70042		Rev. B				

Vinden 75T SDI
PN: SL-VLT-A-50-00 (DLC Lens)

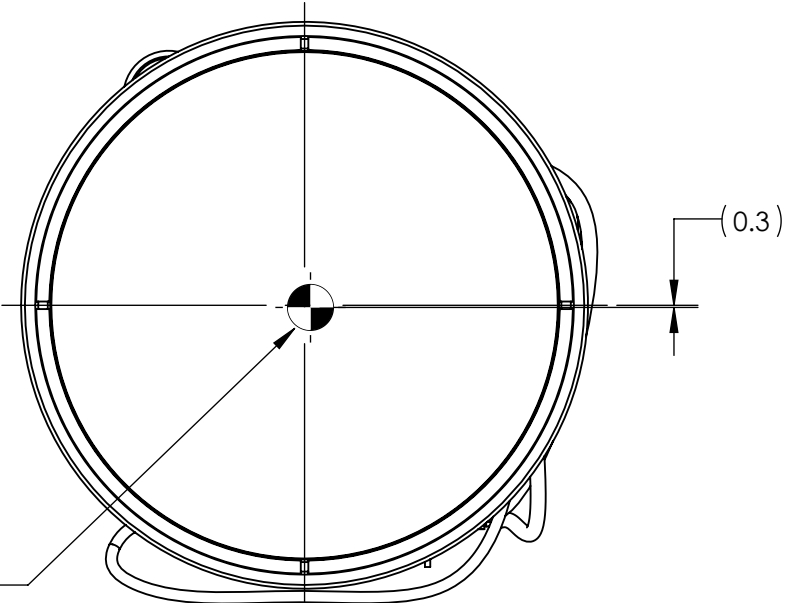
SDI BOARD STACK
SEE 20-70054 Electrical ICD, Viento
Family SDI FOR PIN OUT
APPROXIMATE MASS OF BOARDS: 11g

APPROXIMATE
CENTER OF GRAVITY

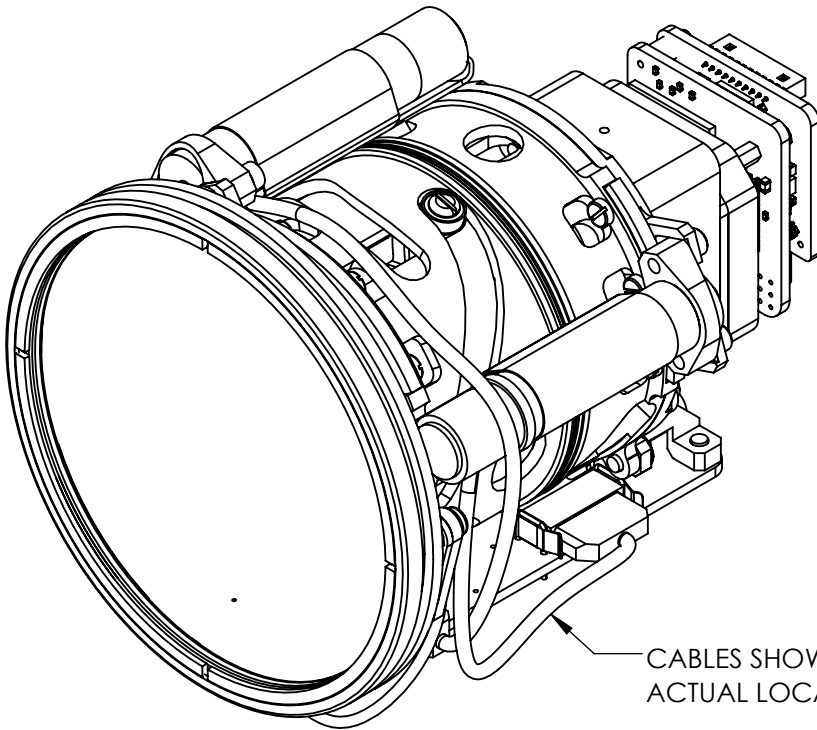


TOP VIEW

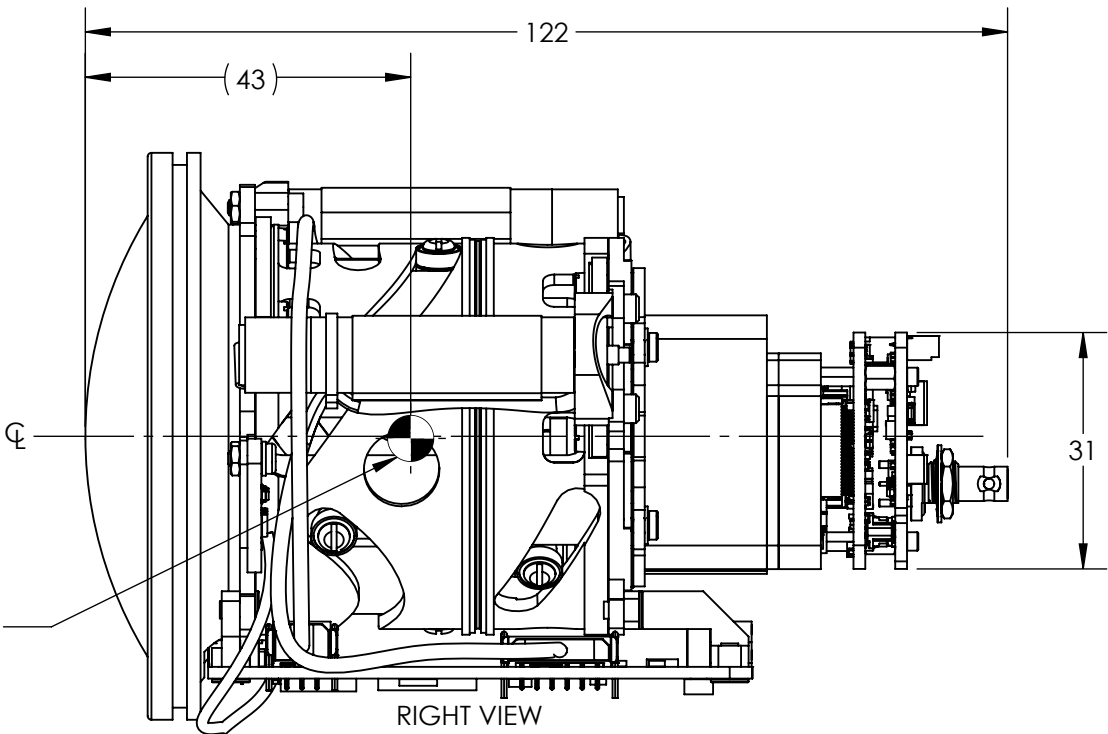
APPROXIMATE
CENTER OF GRAVITY



FRONT VIEW


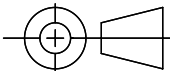


CABLES SHOWN FOR REFERENCE
ACTUAL LOCATION MAY VARY



RIGHT VIEW

APPROXIMATE
CENTER OF GRAVITY

<div>Product Export Classification Control Number(ECCN): 60/30Hz 6A003.b.4.b 9Hz: 6A993</div> <div>This document does not contain export-controlled technology.</div>	UNLESS OTHERWISE SPECIFIED DIM ARE IN MILLIMETERS		<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIERRA OLYMPIA TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SIERRA OLYMPIA TECHNOLOGIES, INC. IS PROHIBITED.</div>		<div> SIERRA-OLYMPIA TECHNOLOGIES INC.</div>		
	X ± 2.5 mm X.X ± 0.3 mm X.XX ± 0.13 mm	ANGLES X ± 1° X.X ± 0.5°					
	THIRD ANGLE PROJECTION		MATERIAL: N/A		DESCRIPTION: Mechanical ICD, Vinden 75T Core		
			FINISH: N/A		SIZE B	DRAWN BY: D. KAMINSKI	SHEET 6 OF 6
	DO NOT SCALE DRAWING		N/A		DRAWING NUMBER: 20-70042		Rev. B