



PT SERIES

HEAVY DUTY STABILIZED PAN TILT SYSTEMS

PTOMEGA Ω

- MOUNTING TYPE
- TILT
- PAN

Ω (OMEGA) / TOP + Sides

Max ±90° Deg
Max. Motor Torque (NM) 35/ 50/ 150

Cont. 360° Deg
Motor Torque (NM) 35/ 50/ 150



- TRUE NORTH
INS GPS
- MAX.SPEED
- MAX. PAYLOAD
- POWER
- IP RATE

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*

20 RPM, up to 120°/sec

70 kg

24-48VDC

IP66 Nitrogen Purged

 32 (kg)

 794x210x419 (mm)

SIGHTMWIR



FAST STABILIZED TRACKING SYSTEM



② D38999/23YC35SN

Mil. Std Stainless Steel connector

P1-P2-P3 (Payload)



① D38999/23YC35PN

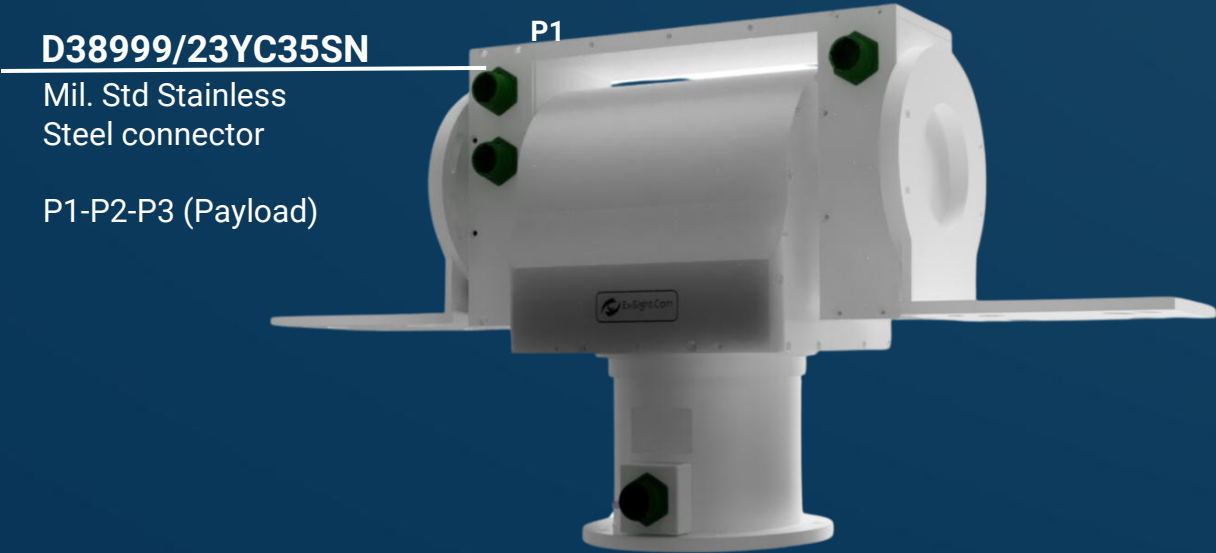
Mil. Std Stainless Steel connector

B1 (Base)

PANEL PIN LAYOUT (B1)
D38999/23YC35PN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN

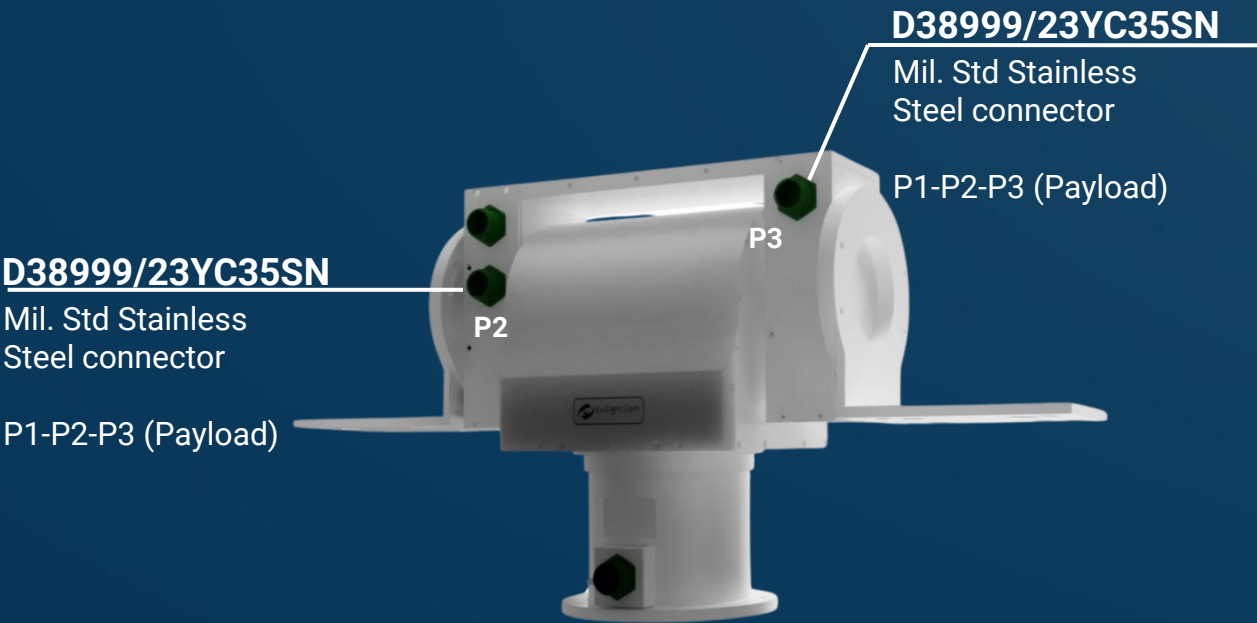
PIN	DESCRIPTION
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETH1-10G-1
16	ETH1-10G-2
17	ETH1-10G-3
18	ETH1-10G-4
19	ETH1-10G-5
20	ETH1-10G-6
21	ETH1-10G-7
22	ETH1-10G-8



PANEL PIN LAYOUT (P1)

D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	48VDC
2	48VDC
3	48VDC
4	GND
5	GND
6	GND
7	ETH1-2.5G-1
8	ETH1-2.5G-2
9	ETH1-2.5G-3
10	ETH1-2.5G-4
11	ETH1-2.5G-5
12	ETH1-2.5G-6
13	ETH1-2.5G-7
14	ETH1-2.5G-8
15	ETH2-2.5G-1
16	ETH2-2.5G-2
17	ETH2-2.5G-3
18	ETH2-2.5G-4
19	ETH2-2.5G-5
20	ETH2-2.5G-6
21	ETH2-2.5G-7
22	ETH2-2.5G-8



PANEL PIN LAYOUT (P2)
D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	48VDC
2	48VDC
3	48VDC
4	GND
5	GND
6	GND
7	ETH1-2.5G-1
8	ETH1-2.5G-2
9	ETH1-2.5G-3
10	ETH1-2.5G-4
11	ETH1-2.5G-5
12	ETH1-2.5G-6
13	ETH1-2.5G-7
14	ETH1-2.5G-8
15	
16	
17	
18	
19	
20	
21	
22	

PANEL PIN LAYOUT (P3)
D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	48VDC
2	48VDC
3	48VDC
4	GND
5	GND
6	GND
7	ETH1-10G-1
8	ETH1-10G-2
9	ETH1-10G-3
10	ETH1-10G-4
11	ETH1-10G-5
12	ETH1-10G-6
13	ETH1-10G-7
14	ETH1-10G-8
15	ETH2-100M-1
16	ETH2-100M-2
17	ETH2-100M-3
18	ETH2-100M-4
19	
20	
21	
22	

PTOWL225

- MOUNTING TYPE
- TILT
- PAN

- TRUE NORTH
- INS GPS
- MAX.SPEED
- MAX. PAYLOAD
- POWER
- IP RATE

U Mount

Max $\pm 90^{\circ}$ Deg
Max. Motor Torque (NM) 35/ 50/ 150

Cont. 360° Deg
Motor Torque (NM) 35/ 50/ 150

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*

20 RPM, up to 120° /sec

50 kg

24-48VDC

IP66 Nitrogen Purged

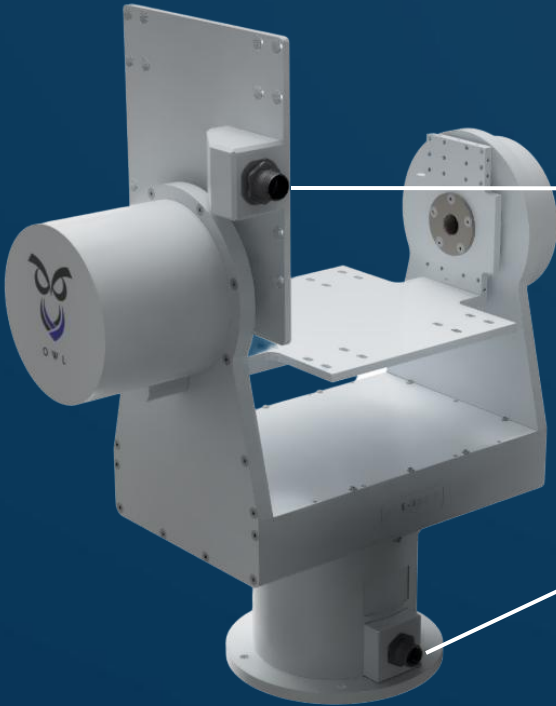


 25 (kg)

 505x255x624 (mm)

SIGHT25-225





② **D38999/23YC35SN**

Mil. Std Stainless
Steel connector

① **D38999/23YC35PN**

Mil. Std Stainless
Steel connector

PANEL PIN LAYOUT (1)
D38999/23YC35PN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN

PIN	DESCRIPTION
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETHERNET (1) TX+
16	ETHERNET (2) TX-
17	ETHERNET (3) RX+
18	NC
19	NC
20	ETHERNET2 (6) RX-
21	NC
22	NC

PANEL PIN LAYOUT (2)
D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	NC
2	NC
3	(+9 TO +36VDC) INPUT POWER
4	GND INPUT POWER
5	(+9 TO +36VDC) INPUT POWER
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET (1) TX+
10	ETHERNET (2) TX-
11	ETHERNET (3) RX+

PIN	DESCRIPTION
12	ETHERNET (6) RX-
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC
21	NC
22	NC

PTOWL

- MOUNTING TYPE
- TILT
- PAN

U Mount
Max $\pm 90^\circ$ Deg
Max. Motor Torque (NM) 35/ 50/ 150
Cont. 360° Deg
Motor Torque (NM) 35/ 50/ 150

- TRUE NORTH
INS GPS
- MAX.SPEED
- MAX. PAYLOAD
- POWER
- IP RATE

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*
20 RPM, up to 120° /sec
50 kg
24-48VDC
IP66 Nitrogen Purged



 22 (kg)
 416x210x442 (mm)

SIGHTMWIR

SIGHT25-150

SIGHT20-100





② **D38999/23YC35SN**
Mil. Std Stainless
Steel connector

① **D38999/23YC35PN**
Mil. Std Stainless
Steel connector

PANEL PIN LAYOUT (1)
D38999/23YC35PN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN

PIN	DESCRIPTION
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETHERNET (1) TX+
16	ETHERNET (2) TX-
17	ETHERNET (3) RX+
18	NC
19	NC
20	ETHERNET2 (6) RX-
21	NC
22	NC

PANEL PIN LAYOUT (2)
D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	NC
2	NC
3	(+9 TO +36VDC) INPUT POWER
4	GND INPUT POWER
5	(+9 TO +36VDC) INPUT POWER
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET (1) TX+
10	ETHERNET (2) TX-
11	ETHERNET (3) RX+

PIN	DESCRIPTION
12	ETHERNET (6) RX-
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC
21	NC
22	NC

PTALMA

MOUNTING TYPE
TILT
PAN

T (Top Mount)

35 NM

35 NM

TRUE NORTH INS GPS
MAX.SPEED
MAX. PAYLOAD
POWER
IP RATE

DUAL ANTENNA GNSS-AIDED INERTIAL
NAVIGATION*

30 RPM, up to 180°/sec

15 kg

24-48VDC

IP66 Nitrogen Purged



8,5 (kg)



218x163x296 (mm)

SIGHT25-150H



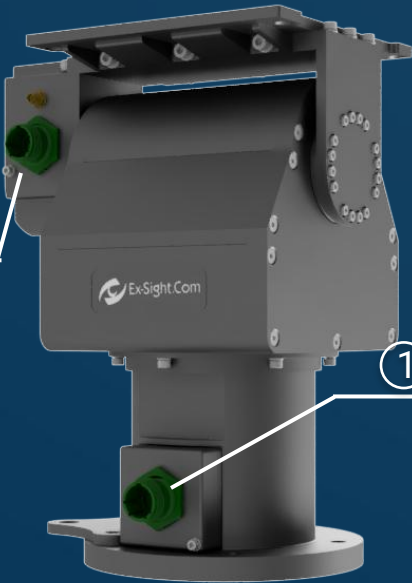
OZ1280



SMA INS GPS Connector

② D38999/23YC35SN

Mil. Std Stainless
Steel connector



① D38999/23YC35PN

Mil. Std Stainless
Steel connector

PANEL PIN LAYOUT (1)
D38999/23YC35PN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN

PIN	DESCRIPTION
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETHERNET (1) TX+
16	ETHERNET (2) TX-
17	ETHERNET (3) RX+
18	NC
19	NC
20	ETHERNET2 (6) RX-
21	NC
22	NC

PANEL PIN LAYOUT (2)
D38999/23YC35SN Stainless Steel Hermetic Connector

PIN	DESCRIPTION
1	NC
2	NC
3	INPUT POWER12 VDC
4	GND INPUT POWER
5	INPUT POWER12 VDC
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET2 (1) TX+
10	ETHERNET2 (2) TX-
11	ETHERNET2 (3) RX+

PIN	DESCRIPTION
12	ETHERNET2 (6) RX+
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC
21	NC
22	NC

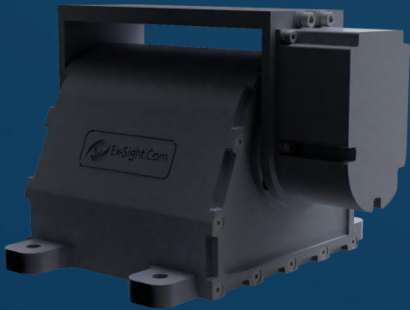
PTADVA

MOUNTING TYPE
TILT

T (Top Mount)
35 NM

TRUE NORTH INS GPS
MAX.SPEED
MAX. PAYLOAD
POWER
IP RATE

Optional
VN100 INS / VN200 INS
30 RPM, up to 180°/sec
9 kg
24-48VDC
IP66 Nitrogen Purged



 3,5 (kg)

 232x210x158 (mm)

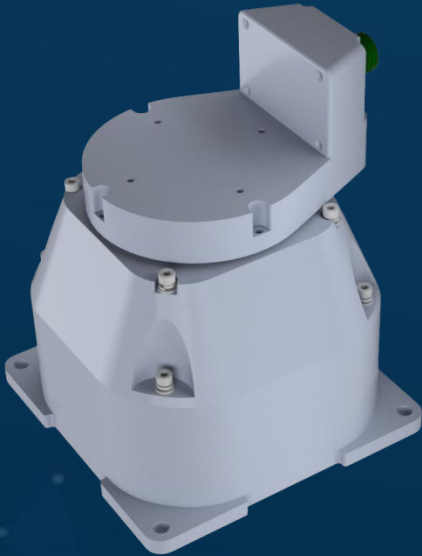
PTCOMPASS

MOUNTING TYPE
PAN

T (Top Mount)
35 NM

TRUE NORTH INS GPS
MAX.SPEED
MAX. PAYLOAD
POWER
IP RATE

-
30 RPM, up to 180°/sec
9 kg
24-48VDC
IP66 Nitrogen Purged



 4,5 (kg)

 232x210x158 (mm)

LIGHT RUGGED STABILIZED TILT

TILT PIN LAYOUT

D38999/24WC35SN / 23YC35SN

PIN	DESCRIPTION
1	NC
2	NC
3	INPUT POWER
4	GND INPUT POWER
5	INPUT POWER
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET2 (1) TX+
10	ETHERNET2 (2) TX-
11	ETHERNET2 (3) RX+
12	ETHERNET2 (6) RX-
13-22	NC

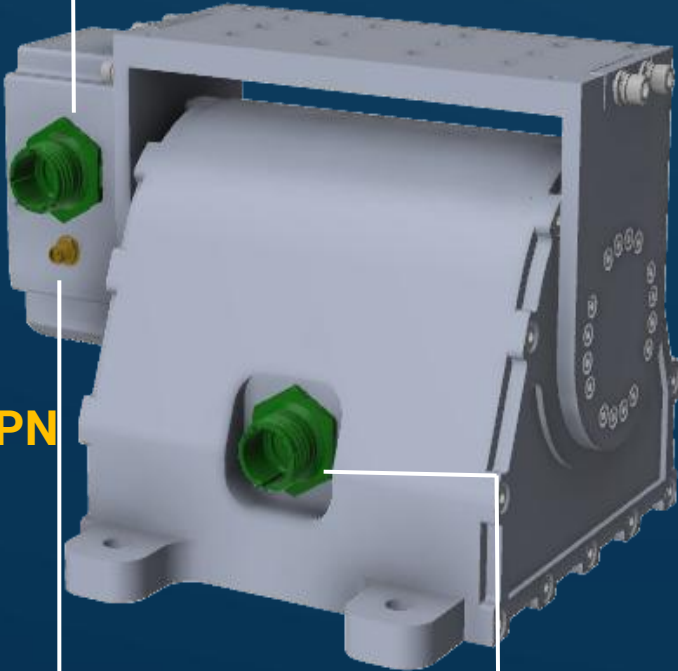
BASE PIN LAYOUT

D38999/24WC35PN / 26KC35PN

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETHERNET (1) TX+
16	ETHERNET (2) TX-
17	ETHERNET (3) RX+
18	NC
19	NC
20	ETHERNET2 (6) RX-
21	NC
22	NC

D38999/24WC35SN

Mil. Std Stainless
Steel connector



SMA GPS
Connector

D38999/24WC35PN

Mil. Std Stainless
Steel connector

LIGHT RUGGED STABILIZED PAN

TILT PIN LAYOUT

D38999/24WC35SN / 23YC35SN

PIN	DESCRIPTION
1	NC
2	NC
3	INPUT POWER
4	GND INPUT POWER
5	INPUT POWER
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET2 (1) TX+
10	ETHERNET2 (2) TX-
11	ETHERNET2 (3) RX+
12	ETHERNET2 (6) RX-
13-22	NC

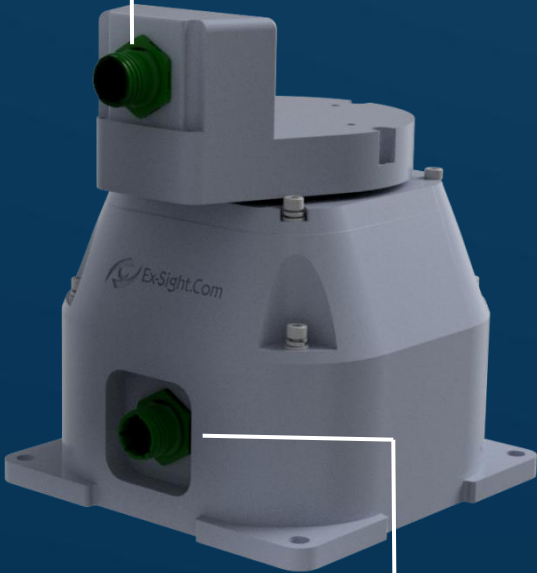
BASE PIN LAYOUT

D38999/24WC35PN / 26KC35PN

PIN	DESCRIPTION
1	+48VDC POWER IN
2	+48VDC POWER IN
3	+48VDC POWER IN
4	+48VDC POWER IN
5	+48VDC POWER IN
6	+48VDC POWER IN
7	+48VDC POWER IN
8	GND POWER IN
9	GND POWER IN
10	GND POWER IN
11	GND POWER IN
12	GND POWER IN
13	GND POWER IN
14	GND POWER IN
15	ETHERNET (1) TX+
16	ETHERNET (2) TX-
17	ETHERNET (3) RX+
18	NC
19	NC
20	ETHERNET2 (6) RX-
21	NC
22	NC

D38999/24WC35SN

Mil. Std Stainless
Steel connector



D38999/24WC35PN

Mil. Std Stainless
Steel connector

PART NUMBERING

OWL	OWL-U-50-150-100			
OWL-[TYPE]-[TILT]-[PAN]-[INS]				
[TUPE]	U model	Top Mount		
[TILT]	Motor Torque (NM)	35	50	150
[PAN]	Motor Torque (NM)	35	50	150
[INS]	BLANK - No INS, No Gyro stabilization	100 - VN100 INS	200 - VN200 INS	300 - VN300 INS Dual GPS true north

OWL225		OWL225-U-50-150-100		
OWL225-[TYPE]-[TILT]-[PAN]-[INS]				
[TUPE]	U model	Top Mount		
[TILT]	Motor Torque (NM)	35	50	150
[PAN]	Motor Torque (NM)	35	50	150
[INS]	BLANK - No INS, No Gyro stabilization	100 - VN100 INS	200 - VN200 INS	300 - VN300 INS Dual GPS true north

OMEGA		OMEGA-300		
OMEGA-[INS]				
	Ω (omega) model	TOP + Sides		
[INS]	BLANK - No INS, No Gyro stabilization	100 - VN100 INS	200 - VN200 INS	300 - VN300 INS Dual GPS true north

ALMA	ALMA-T-35-35-200			
ALMA-[TYPE]-[TILT]-[PAN]-[INS]				
[TYPE]	T-model	Top Mount		
[TILT]	Motor Torque (NM)	35	50	150
[PAN]	Motor Torque (NM)	35	50	150
[INS]	BLANK - No INS, No Gyro stabilization	100 - VN100 INS	200 - VN200 INS	300 - VN300 INS Dual GPS true north

PART NUMBERING

ADVA		ADVA-T-17-100	
ALMA-[TYPE]-[TILT]-[INS]			
[TYPE]	T-model	Top Mount	
[TILT]	Motor Torque (NM)	17	
[INS]	BLANK - No INS, No Gyro stabilization	100 - VN100 INS	200 - VN200 INS

COMPASS		COMPASS-T-17	
COMPASS-[TYPE]-[PAN]-[INS]			
[TYPE]	T-model	Top Mount	
[PAN]	Motor Torque (NM)	17	
[INS]	BLANK - No INS, No Gyro stabilization		