

목록

001	1
002	2
003	3
004	4
005	5
006	6
007	7
008	8
009	9

TETRA-DSV C-BOX

HYULIM NETWORKS

TETRA-DS V Controlbox + Motor/Reducer



TETRA-DSV Application

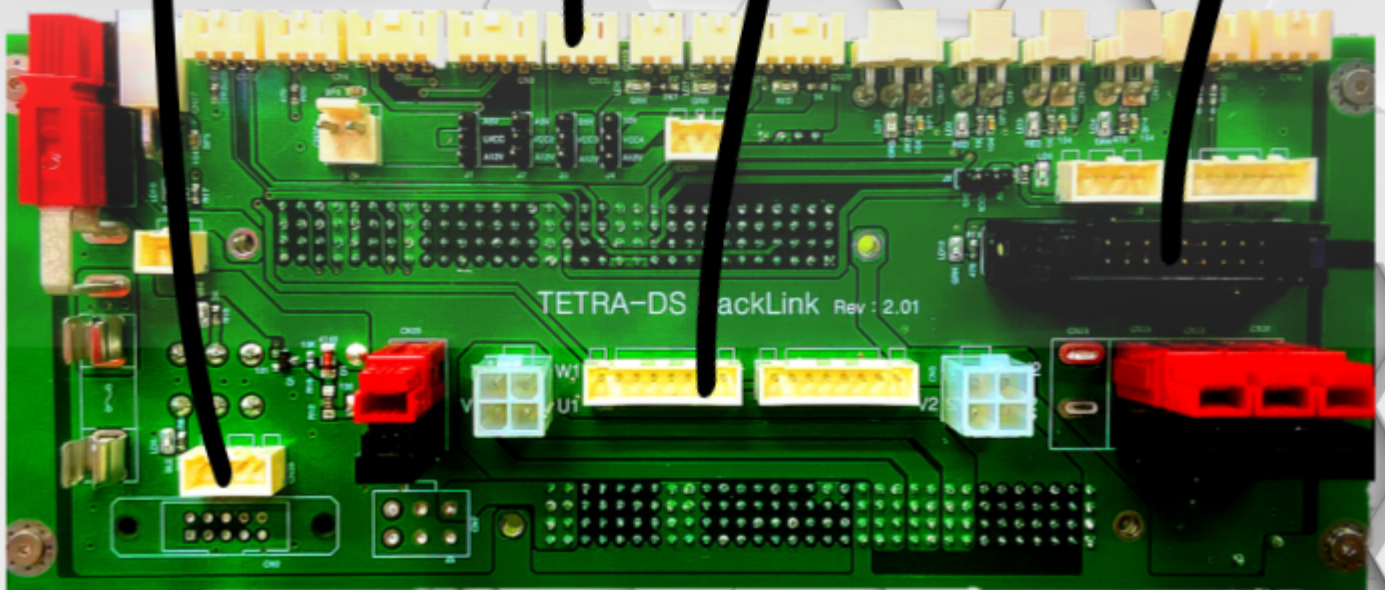


Bumper

RGB LED

2X Motor, Encoder

Sonar

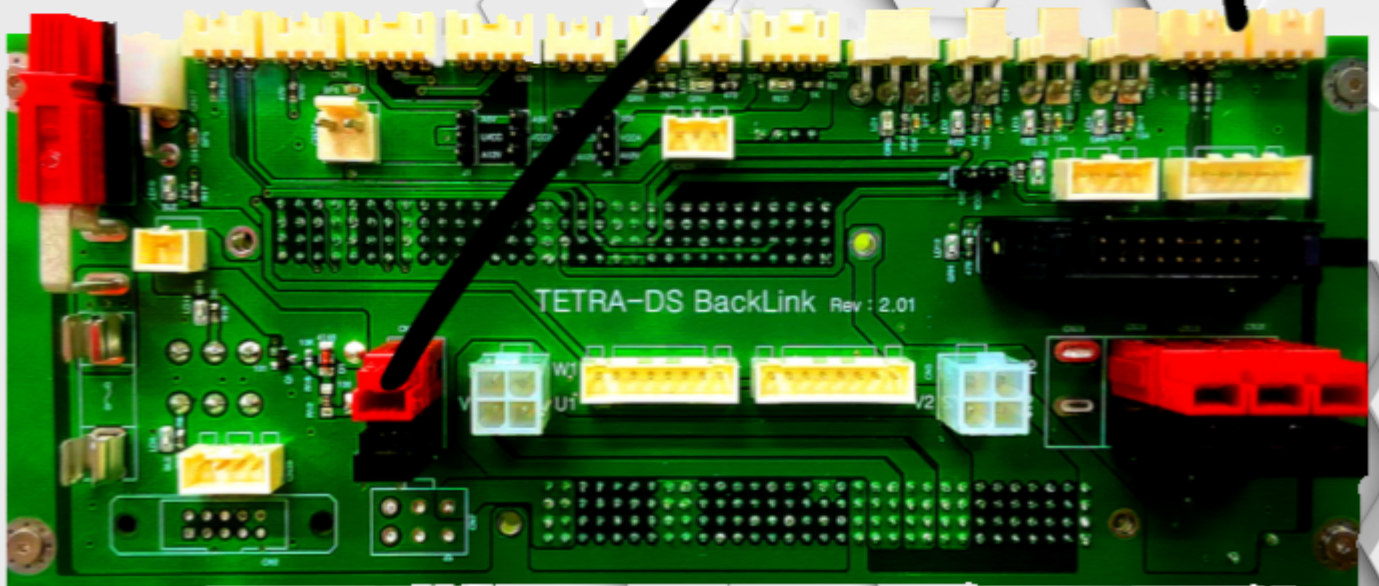


TETRA-DSV Application



EMG Button
PowerButton

AutoCharge



C-BOX Detail Description



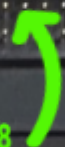
- Wheel Driver Board
- Power Sensor Board

Front of the TETRA-DS BackLinkBoard

UART PORT (RS-232C)
(Direct Control using User PC)



24V INPUT PORT X 8
24V OUTPUT PORT X 8
0~5V ADC PORT X 8



PowerSenser POWER SWITCH



UART PORT (RS-232C)
(Direct Control using User PC)



Wheel Driver POWER SWITCH



C-BOX Detail Description



- Wheel Driver Board
- Power Sensor Board

Back of the TETRA-DS BacklinkBoard

23~28V 20A Battery FUSE

10V 4A POWER

24V 4A POWER(1)

PUSH LOCK
=> POWER ON

12V 4A LiDAR POWER

EMS Signal PIN
(Active LOW)

19V 4A PC POWER

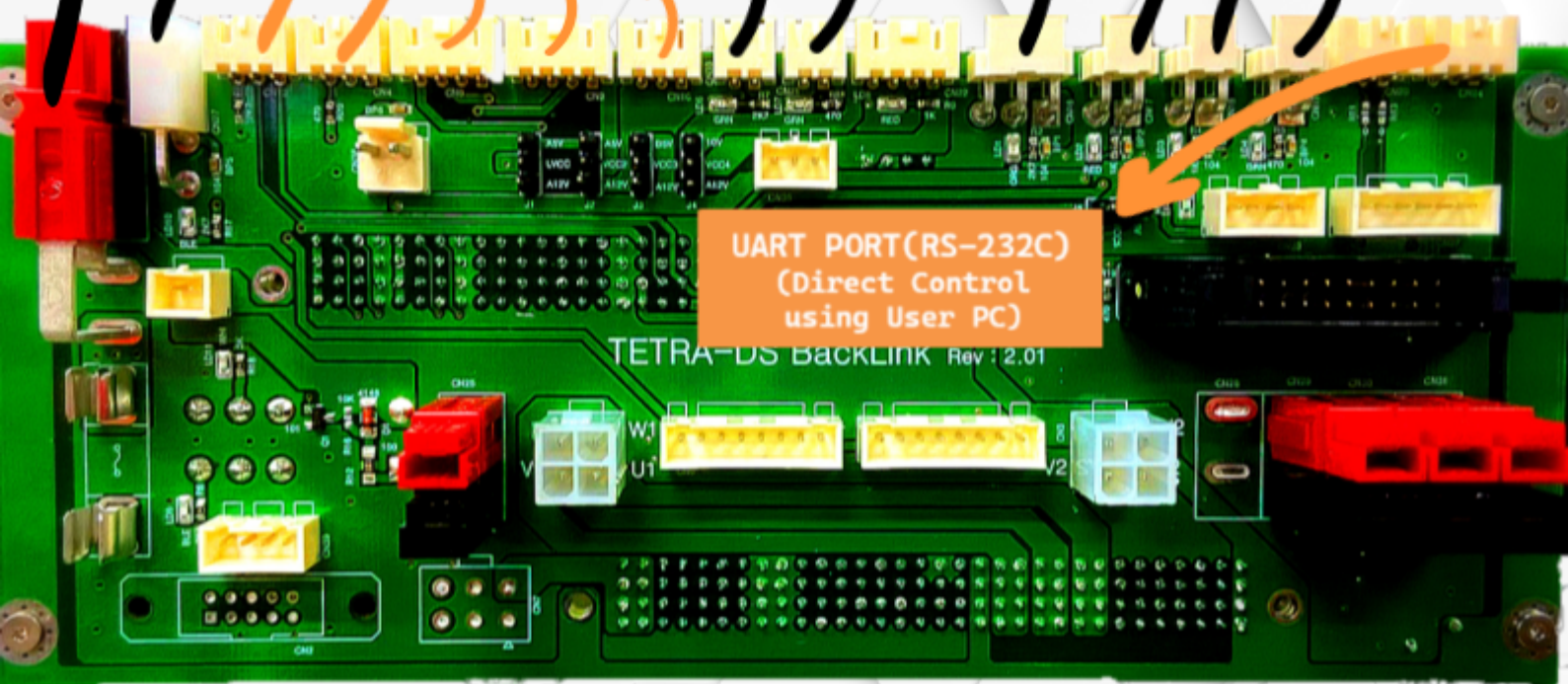
12V/5V 1.5A POWER

5V 4A POWER(4)

12V RGB PORT

UART PORT(RS-232C)
(Direct Control
using User PC)

TETRA-DS BACKLINK Rev : 2.01

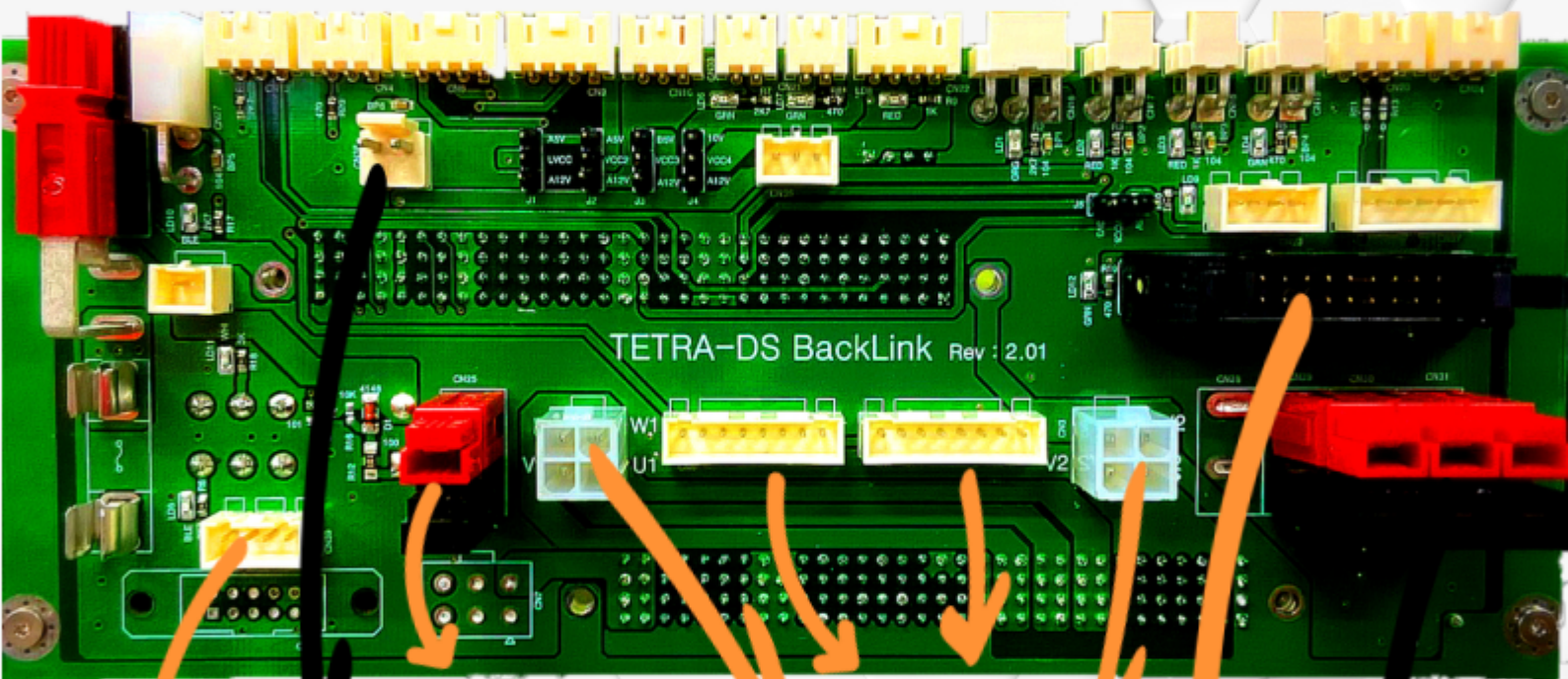


C-BOX Detail Description



- **Wheel Driver Board**
- **Power Sensor Board**

Back of the TETRA-DS BacklinkBoard



CHARGING PIN
(Automatic charge)

23~28V 7A Battery FUSE

BUMPER Signal PIN
(Active LOW)

MOTOR ENCODER

MOTOR PIN
(Phase signal)

SONAR 1~4 CABLE

22~28V 20A Battery Power(X)



C-BOX Specifications

Specifications

Dimensions	244mm * 228mm * 88mm
Type of Drive	2-Wheel Differential Drive (2-axis drive)
Motor type	PMSM Motor(AC servo)
Motor spec	100Watt / 23V ~ 29V
Ratio	20 : 1
Wheel	Diameter : 203mm , Thickness : 40mm
Max Speed	1.5M/sec
EMS	EMS IN Port 1CH
Bumper	Front bumper 2CH (Max 8CH)
Ultrasonic sensor	HG-B40C(HAGISONIC) Ultrasonic sensor Port 4CH
Display LED	Battery status LED Port 2CH/ Robot status LED Port 6CH
IO Port	IN Port(NPN) 8CH, Out Port (NPN) 8CH
ADC Port	10bit ADC Port 8CH
Supply powers	Battery Power(24V,20A), 24V/4A, 19V/4A, 12V/4A, 10V/4A, 5V/4A
Auto Charge	Auto charge docking signal detection / Relay control built-in circuit

WORLD IT SHOW
2022

WIS 혁신상

과학기술정보통신부장관상

주최 과학기술정보통신부

주관 한국과학기술정보통신원

후원 산업통상자원부

