System Diagram

Power hydraulic steering system + Auto pilot system USAP-CD70 Remote controller RC-41 Control unit CD-70 Pump unit sensor SC-50A i Magnet ompass GPS Solenoid valve unit SV-23 N45XT type cyl 24V DC power supply unit FB-40X

Dimensional Outline Drawing



Standard Components



Magnetic sensor SC-50 Converts and detects the magnetic compass direction into electric signals.

lemote controller RC-41 Remote controlled steering away from the bridge is possible within the connected cable's range.

Repeater compass EC-50

This electronic compass displays

the control unit's heading as an

analog display. The direction card

is highly visible, and the light can

be selected from three colors by

using the pushbutton

This compass is



Electronic helm ES-33

convenient for steering at the

This electronic helm is

upper bridge

or flying

bridge

This remote controller can be

used just like a steering wheel.



Rudder angle indicator

Rudder angle indicato KI-30

This indicator

displays the

steering angle.

rudder



Controller holder

inside or outside

The controller is easy to store

HD-20 (for twin/triple co

and remove from this holder

that can be fixed anywhere

Select one of the following solenoid valve units





extremely convenient fo navigatior

Configuration List

	Control Unit	Magnetic Sensor	Solenoid Valve Unit			Feedback Transmitter	Remote Controller
		SC-50	SV-23	SV-100A	SV-51	FB-40X	RC-41
USAP - CD70	CD70	0	0			0	0
USAP - CD70 - SV100	CD70	0		0		0	0
USAP - CD70 - PV	CD70	0			0	0	0
USAP - CD70R	CD70R	0	0			0	0
USAP - CD70R - SV100	CD70R	0		0		0	0
USAP - CD70R - PV	CD70R	0			0	0	0
USAP - CD70RP	CD70RP	0	0			0	0
USAP - CD70RP - SV100	CD70RP	0		0		0	0
USAP - CD70RP - PV	CD70RP	0			0	0	0

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U UNIKAS INDUSTRIAL INC.

Debut of the new magnificently evolved CD-70!

Professional version Autopilot System

• Large 4-inch screen

improves visibility for easy reading of the set bearing, heading, steering mode and rudder bar graph.

- Ergonomic large course adjustment knob allows fine adjustment of the direction by 1° unit in AUTO mode.
- Rotary mode selection switch allows easy operation to switch to MANU, REMO, AUTO and NAVI mode.
- Analog-type dial on operation panel

for each rudder angle ratio, weather and neutral trim adjustment allows immediate response to the rudder revision frequency and revision amounts that constantly change according to sea conditions and amounts of cargo.

Compact depth size!

reduced from 110mm to 80mm compared to our previous models.

Compatible with Radar/ VDR/ BNWAS !



Mode selection switch & Mode display LED

The mode is changed by turning this switch. The LED for the selected mode lights.



Neutral trim adjustment dial



push button switch

The neutral position of the



to adjust the rudder angle when correcting the rudder during automatic steering.





navigation system or

gyrocompass

GYRO

leather adjustment dial



By adjusting the automatic steering sensitivity according to the sea conditions, the rudder revision frequency can be adjusted appropriately.



by turning this dial in AUTO mode

Night illumination





Wiring/receptacle



Panel mount type remote control provided

CD-70RP





