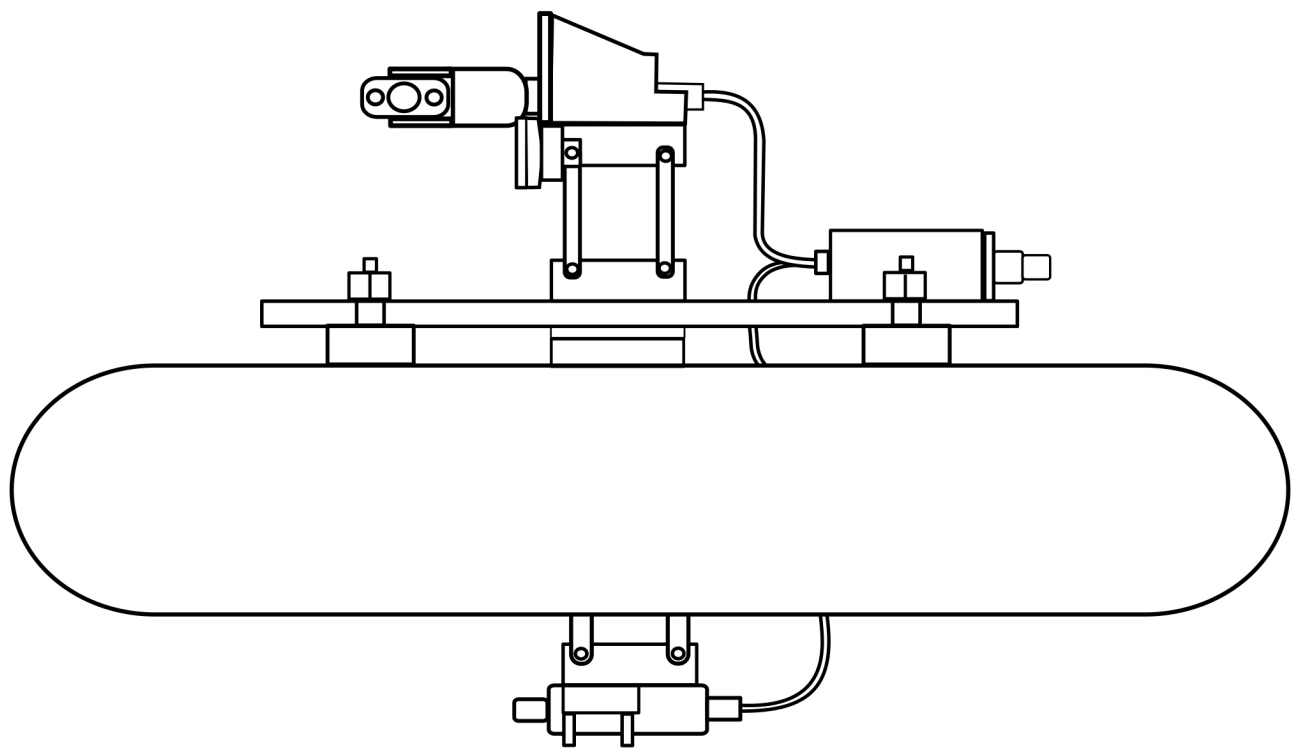


VS200 Manual and Wiring Diagram

AMI VS200 DUAL CCTV UNDERWATER PROFILER



AMI VS200 DUAL CCTV UNDERWATER PROFILER

User instruction manual Basic setup.

NOTE! THIS SYSTEM IS CONFIGURED FOR 240V AC

Securely attach the floats using M8 nylock nuts to the chassis, **do not over tighten or cross thread the nuts when assembling.**

Fit the pan and rotate camera to the light head, adjust to suit the application.

Fit the underwater scanner unit to the sonar bracket.

Plug the pin end of the link lead into the control unit and the socket end into the drum.

Plug the end of the main cable into the breakout block on the chassis.
DO NOT PLUG THIS CONNECTOR INTO ANY OTHER SOCKET

Plug the break out cable marked CAMERA into the back of the light head.
DO NOT PLUG THIS CONNECTOR INTO ANY OTHER SOCKET

Plug the break out cable marked SONAR into the back of the sonar unit.
DO NOT PLUG THIS CONNECTOR INTO ANY OTHER SOCKET

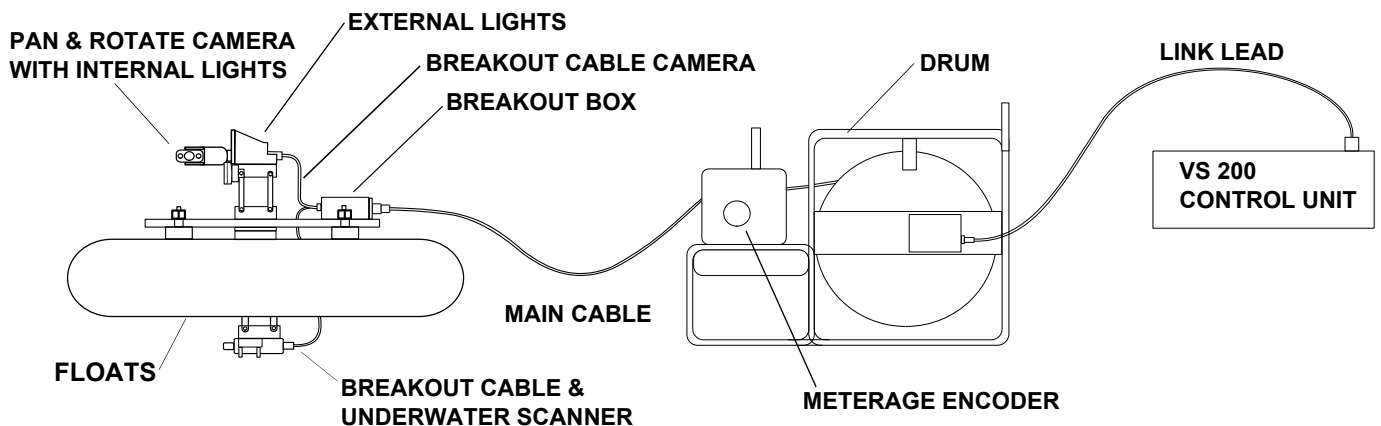
Fit the laptop to the control unit and dock to the base station.
Plug the AC lead in and switch the power switch on.

Boot up the laptop.

Run the following applications.

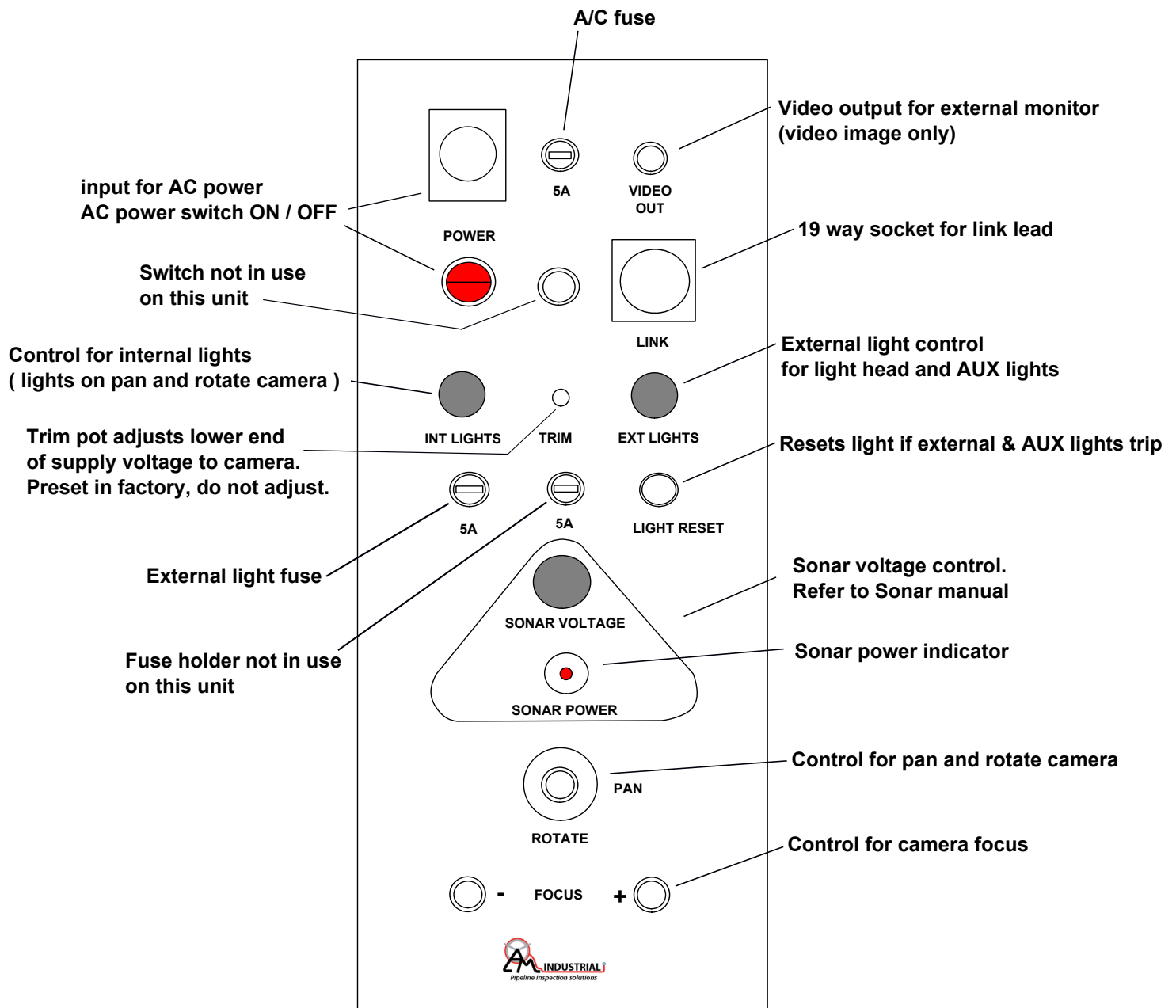
Pipe Profiler (SONAR)

Honestech TVR 2.5 (VIDEO)



AMI VS200 DUAL CCTV UNDERWATER PROFILER

User instruction manual
Control unit function.



AMI VS200 VIDEO SONAR UNIT 1512 SONAR HEAD

User instruction manual

Wiring breakout box

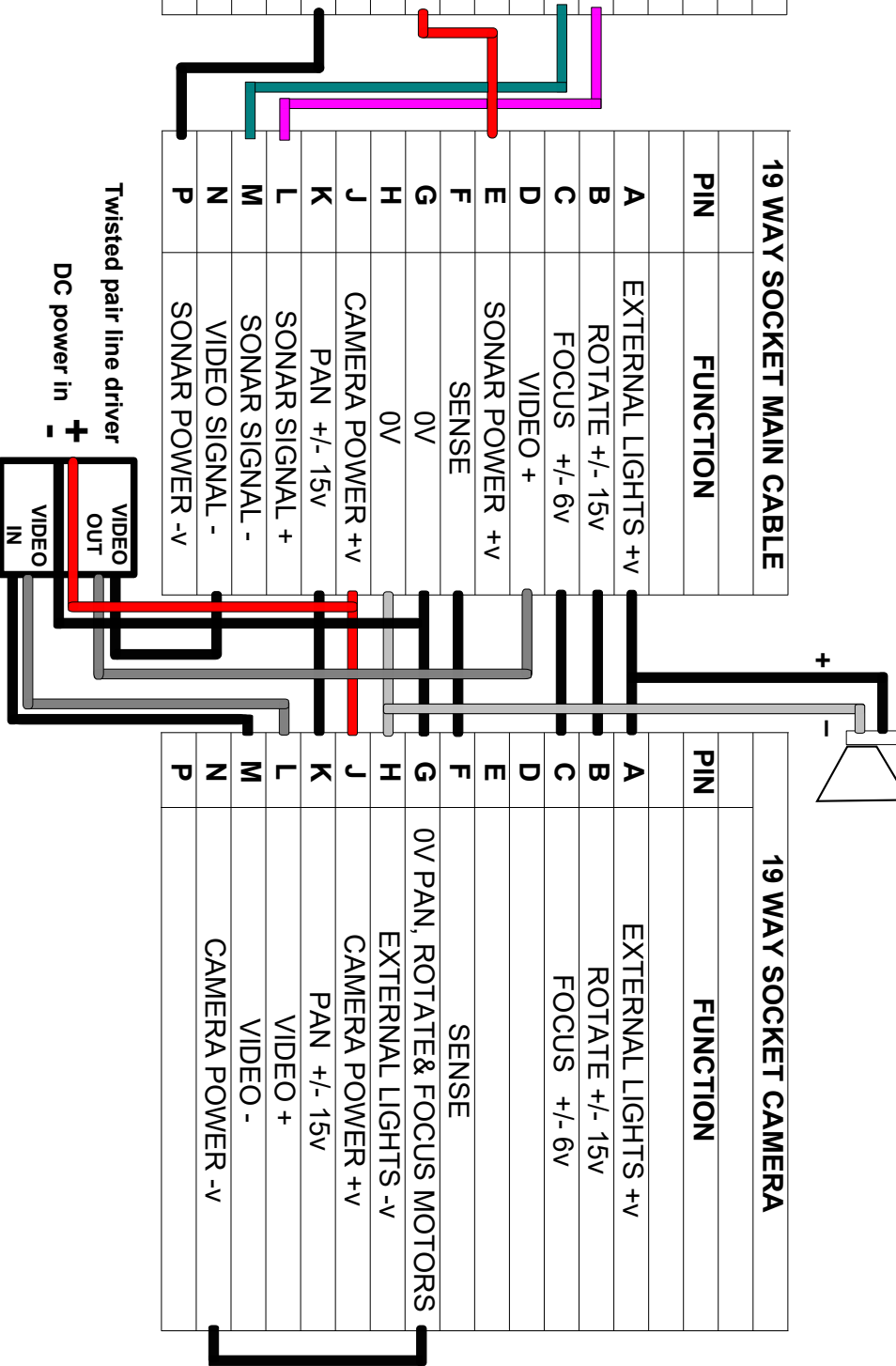
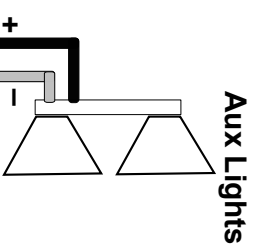


SONAR POWER -v
SONAR POWER +v

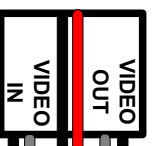
19 WAY SOCKET SONAR	PIN	FUNCTION
	A	
	B	SONAR SIGNAL +
	C	SONAR SIGNAL -
	D	
	E	
	F	
	G	SONAR POWER +v
	H	
	J	
	K	SONAR POWER -v
	L	
	M	
	N	
	P	

19 WAY SOCKET MAIN CABLE	PIN	FUNCTION
	A	EXTERNAL LIGHTS +v
	B	ROTATE +/- 15v
	C	FOCUS +/- 6v
	D	VIDEO +
	E	SONAR POWER +v
	F	SENSE
	G	0V
	H	0V
	J	CAMERA POWER +v
	K	PAN +/- 15v
	L	SONAR SIGNAL +
	M	SONAR SIGNAL -
	N	VIDEO SIGNAL -
	P	SONAR POWER -v

19 WAY SOCKET CAMERA	PIN	FUNCTION
	A	EXTERNAL LIGHTS +v
	B	ROTATE +/- 15v
	C	FOCUS +/- 6v
	D	
	E	
	F	SENSE
	G	0V PAN, ROTATE& FOCUS MOTORS
	H	EXTERNAL LIGHTS -v
	J	CAMERA POWER +v
	K	PAN +/- 15v
	L	VIDEO +
	M	VIDEO -
	N	
	P	CAMERA POWER -v



Twisted pair line driver
DC power in +
-



AMI VS200 VIDEO SONAR UNIT

User instruction manual

Wiring main cable

MAIN CABLE					
DRY END		FUNCTION		SIZE / COLOUR	WET END
A		EXTERNAL LIGHTS +v		THICK BLUE	A
B		ROTATE +/- 15v		THIN GREY & PINK	B
C		FOCUS +/- 6v		THIN WHITE	C
D		VIDEO +		THIN YELLOW	D
E		SONAR POWER +v		THICK PURPLE	E
F		SENSE		THIN BROWN	F
G		0V		THICK BLACK	G
H		0V		THICK ORANGE	H
J		CAMERA POWER +v		THICK RED	J
K		PAN +/- 15v		THIN RED & THIN BLUE	K
L		SONAR SIGNAL +		COAXIAL INNER	L
M		SONAR SIGNAL -		COAXIAL OUTER	M
N		VIDEO SIGNAL -		THIN GREEN	N
P		SONAR POWER -v		THICK LIGHT BLUE	P

Wiring link lead

LINK LEAD					
PIN END		FUNCTION	COLOUR		SOCKET END
			old black link lead	new red	
A		EXTERNAL LIGHTS +v	THICK BLUE	THICK YELLOW	A
B		ROTATE +/- 15v	THIN GREY	THIN YELLOW	B
C		FOCUS +/- 6v	THICK GREEN	THIN WHITE	C
D		VIDEO +	THIN WHITE	THIN ORANGE	D
E		SONAR POWER +v	THICK YELLOW	THICK WHITE	E
F		SENSE	THIN ORANGE	THIN BLUE	F
G		0V	THICK BLACK	THICK BLACK + SCREEN	G
H		0V	THICK WHITE	THICK RED	H
J		CAMERA POWER +v	THICK RED	THICK BROWN	J
K		PAN +/- 15v	THIN BLACK	THICK GREEN	K
L		SONAR SIGNAL +	COAXIAL INNER	COAXIAL INNER	L
M		SONAR SIGNAL -	COAXIAL OUTER	COAXIAL OUTER	M
N		VIDEO SIGNAL -	THIN GREEN	THIN GREY	N
P		SONAR POWER -v	THICK BROWN	THICK BLUE	P
R		ENCODER DATA	THIN BLUE	THIN RED	R
S		ENCODER DATA	THIN YELLOW	THIN BLACK	S
T		ENCODER POWER +v	THIN RED	THIN BROWN	T
U		ENCODER POWER -v	THIN BROWN	THIN GREEN	U

AMI VS200 VIDEO SONAR UNIT

User instruction manual

Wiring slip rings

SLIP RINGS			
19 WAY PIN	FUNCTION		COLOUR
A	EXTERNAL LIGHTS +v		BLACK ● WHITE WITH BLACK STRIPE
B	ROTATE +/- 15v		BROWN WITH ORANGE STRIPE
C	FOCUS +/- 6v		BROWN WITH YELLOW STRIPE
D	VIDEO +		GREY
E	SONAR POWER +v		ORANGE ● WHITE WITH ORANGE STRIPE
F	SENSE		WHITE
G	0V		brown-green stripe,brown-black stripe,white-grey stripe
H	0V		YELLOW ● WHITE WITH YELLOW STRIPE
J	CAMERA POWER +v		BROWN ● WHITE WITH BROWN STRIPE
K	PAN +/- 15v		BROWN WITH RED STRIPE
L	SONAR SIGNAL +		PURPLE ● WHITE WITH PURPLE STRIPE
M	SONAR SIGNAL -		BLUE ● WHITE WITH BLUE STRIPE
N	VIDEO SIGNAL -		GREEN ● WHITE WITH GREEN STRIPE
P	SONAR POWER -v		RED ● WHITE WITH RED STRIPE
R	ENCODER DATA		PURPLE
S	ENCODER DATA		GREY
T	ENCODER POWER +v		RED
U	ENCODER POWER -v		BLACK