

Smar Deve

USER GUIDE

Revision: October 2023

Version: 1.3.2

O USE US

Contents

1. INTRODUCTION	1
2. FEATURES AT A GLANCE	2
3. HARDWARE OVERVIEW	3
4. SETTING UP	4
4.1. One-word Provisioning	5
4.2. System Tab	6
4.2.1. Setting up Admin	6
4.2.2. Network Settings	7
4.2.3. LDAP Setting	10
4.2.4. VPN Settings	14
4.2.4. VPN Settings 4.2.5. Update	14
4.2.4. VPN Settings 4.2.5. Update 4.2.6. BACKUP	14 15 16
4.2.4. VPN Settings 4.2.5. Update 4.2.6. BACKUP 4.2.7. SYSTEM	14
 4.2.4. VPN Settings 4.2.5. Update 4.2.6. BACKUP 4.2.7. SYSTEM 4.3. Monitoring Tab 	
 4.2.4. VPN Settings 4.2.5. Update 4.2.6. BACKUP 4.2.7. SYSTEM 4.3. Monitoring Tab 4.3.1. DISPLAY 	
 4.2.4. VPN Settings 4.2.5. Update 4.2.6. BACKUP 4.2.7. SYSTEM 4.3. Monitoring Tab 4.3.1. DISPLAY 4.3.2. HYUNDAI IT 	
 4.2.4. VPN Settings	

I. INTRODUCTION

Thank you for choosing Smart pi EYE.

The Smart pi EYY-HD is the Embedded Media Player for the Smart pi EYE system. It is specifically designed to work in large network with many hundreds or even thousands of screens where maintenance and total cost of ownership is important.

The Smart pi EYE represents a fusion of cutting-edge technology and user-friendly design, allowing you to manage all functions from single server.

The Smart pi EYE-HD comes with a built-in web server and one-word provisioning system, simply type the host name and the EYE-HD will automatically connect and provision itself with the correct display settings.

It transforms the way information is presented and shared in various environments, including retail spaces, corporate offices, public areas, educational institutions, transportation hubs, and more. You can also use it at various transportation networks, such as trains, buses, subways, and airports, to provide passengers' real-time data about their journey while enhancing their experience. This system can also be used to display a static message to a large audience as well.

For networks that do not support the one-word provisioning and custom installations (like VPN requirements) it is possible to access and configure the advanced features.

Some advanced features also allow further monitoring of the units for the system administrators.

This comprehensive user manual will guide you through the **advanced** setup, configuration, and utilization of your Smart pi EYE-HD advanced functions which are only required under specific installation requirements. The step-by-step instructions and detailed explanations will ensure that you make the most of every feature this product has to offer. It will help you to explore its various functions, experiment with its customizable settings, and integrate it seamlessly into your information and network security requirements.

System					
NETWORK LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
CONFIGURE IP ADDRESS AN	ND DNS				
INTERFACE TYPE:	Static OHCP				
IP ADDRESS	192.168.101.65				
NETWORK MASK	255.255.255.0				
GATEWAY	192.168.101.1				
DNS SERVER	192.168.10.1				
DNS SERVER (SECONDARY)	192.168.10.2				
DNS SUFFIX	stageteo.com.au				
HOSTNAME	EYE-DEFAULT				
NTP SERVER	pool.ntp.org				
UPDATE					

Please read this manual before operating your new Smart pi EYE to ensure the safe and best-practice operation of your unit that will last for years to come.

For more information enquiries are welcome at: https://service.smart-pi.info

1

2. FEATURES AT A GLANCE

Connectivity	Up to 1920 x 1080 HDMI connectivity support.
Input Contact Closures	2x GPI / Input Contact Closures.
Output Contact Closures	2 x GPO / Outputs Closures.
Balanced Audio Outputs	2 x Balance Audio Outputs.
Output Screen	A small display for System Name, Network Address and control.
5V USB Power	A 5V USB Power requirement that can be powered from a screen or another 5V supply.
Configuration	Is completely web-based configuration and management.
Supported Protocols	Smart pi EYE Server Rest API
Integrations	Smart pi ECOsystem LDAP for Single Sign On Hyundai IT Industrial Displays

3. HARDWARE OVERVIEW

Smart pi EYE features no moving parts and can be controlled in real-time with the help of the main web interface. On the actual EYE-HD unit, you need only the device name for basic configuration.



The front side of the device has 3 USB slots, an 10/100/1000 ethernet port and a status screen.



The rear side of the device has the HDMI output, a micro-USB slot that accepts 5v to power the unit, 2 GPI/O and 2 balanced audio outputs on a db 25.

There are indoor and outdoor versions available.

4. SETTING UP

The Smart pi EYE-HD has a one-word provisioning setup feature allowing it to simply be given its hostname and then being able to configure all settings from the server.

This feature requires the network to be configured with DHCP and DNS to support this feature.

Once the network is configured all units will be able to use the one-word provisioning feature.

Smart pi EYE-HD hardware is installed on each screen and only requires USB power (from the screen or another source) and a network connection with a 1080p HDMI output to the screen. It has no moving parts and is designed for use in industrial environments, the only configuration needed on the EYE-HD is its name all other parameters are managed in the Smart pi EYE Master web interface.

The connected screen resolution is detected automatically using the HDMI connection and HDCP protocol, this allows for integration with custom screen resolutions including stretched (1920x540) screens etc.

The hardware, however, comes with 3 USB ethernet ports, an HDMI port, Micro USB – 5v power, 2 GPI/O, 2 x balanced audio outputs, and a status screen.

To remain within warranty, please install the unit in a dry area that is not subject to extreme heat (indoor model). A well-ventilated area is ideal. Importantly, take care that the mounting position allows for clear access to the front and rear panels of the unit.

Only remove the outer casing of the Smart pi EYE-HD to update the SD card if required.

4.1. One-word Provisioning

When using one-word provisioning please visit http://IPADDRESS to access the unit.

Screens can be added to the network by giving a DNS Hostname and clicking the Save button.

If the screen has been pre provisioned in the Smart pi EYE server, the correct content will be displayed.

If you are connecting for the first time with a new name, the Smart pi EYE server will simply display a clock in the time zone the Smart pi EYE server is configured in.

S	Setup
Er	ter a DNS hostname to identify the client
	EYE-DEFAULT
	Save

Click Continue to join the network by connecting with the host.

IP Settings	
This will reboot the device. Do you want to Continue? Continue Continue Cancel	
Setup	
Enter a DNS hostname to identify the client	
EYE-DEFAULT	
Save	

Once you have updated the device name simply hit save and the unit will reboot and connect to the Smart pi EYE Server automatically.

4.2. System Tab

To access the administration interface please user http://IPADDRESS/admin

Click on System from the bottom of the screen to enter further settings.

System							
NETWORK LDAF	VPN SETTINGS	UPDATE	васкир	SYSTEM			
CONFIGURE IP ADDRESS AND DNS							
INTERFACE TYPE:	Statio OHCP						
IP ADDRESS	192 168 101 65						
NETWORK MASK	255.255.255.0						
GATEWAY	192 168 101 1						
DNS SERVER	192 168 10 1						
DNS SERVER	100 100 10 0						
(SECONDARY)	192.168.10.2						
DNS SUFFIX	stagetec.com.au						
HOSTNAME	EYE-DEFAULT						
NTP SERVER	pool.ntp.org						
of Brit				# System	# Monitoring 🖺 Logs		

4.2.1. Setting up Admin

The Admin Panel of Smart pi EYE-HD showcases settings required by an admin screen to control other connected screens. It comes with various sections like Network, LDAP, VPN Settings, Update, Backup, and Systems. Moreover, three tabs are also included at the bottom of the screen including System, Monitoring, and Logs.

4.2.2. Network Settings

You can choose between **DHCP** and **Static** radio buttons for your **Interface Types**. Static and DHCP are two methods of assigning IP addresses to devices on a network. A static setting will require you to manually assign an IP address to a device and it will remain constant. However, the DHCP setting will automatically assign IP addresses to devices on a network, which can change whenever a device connects to the network.

System				
NETWORK	LDAP VPN SETTINGS	UPDATE B	ackup system	
CONFIGURE IP ADDRE	SS AND DNS			
INTERFACE TYPE:	Static O DHCP			
IP ADORESS	192 168 101 65			
NETWORK MASK	255.255.255.0			
GATEWAY	192.168.101.1			
DNS SERVER	192.168.10.1			
DNS SERVER (SECONDARY)	192.168.10.2			
DNS SUFFIX	stagetec.com.au			
HOSTNAME	EYE-DEFAULT			
NTP SERVER	pool.ntp.org			
UPDATE				

Next, enter the IP Address in the IP ADDRESS field. This will represent the IP address of the admin terminal where all devices will be connected.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
CONFIGURE IP AD	DRESS AND DN	5				
INTERFACE TYPE:	Static	• DHCP				
IP ADDRESS	192.16	18.101.65				
NETWORK MASK	255.25	6.255.0				
GATEWAY	192.16	8.101.1				
DNS SERVER	192.16	8.10.1				

Enter **NETWORK MASK** in the designated field. A network mask is also known as a subnet mask that is used to define the boundaries of a network. This set of numbers determines which part of an IP address corresponds to the network portion and which part corresponds to the host portion.



Enter addresses for **DNS SERVER** and **GATEWAY** in the given fields. A gateway in digital signage serves as an entry and exit point for data traffic between the local network and external networks whereas a DNS server's primary purpose is to translate human-readable domain names (like www.example.com) into IP addresses that computers and devices understand. You can also add a secondary DNS server if you have one.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
CONFIGURE IP AD	DRESS AND DNS	6				
INTERFACE TYPE:	Statio	O DHCP				
IP ADDRESS	192.16	8.101.65				
NETWORK MASK	255.25	6.255.0				
GATEWAY	192.16	8.101.1				

Now, add the address of **DNS SUFFIX**. It helps devices on a network complete unqualified domain names. An unqualified domain name lacks the full domain hierarchy, such as "server" instead of "server.example.com". The DNS suffix provides the missing part of the domain name, enabling devices to fully resolve and access resources on the network or the internet.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
CONFIGURE IP ADD	RESS AND DNS	3				
INTERFACE TYPE:	Static	O DHCP				
IP ADDRESS	192.16	8.101.65				
NETWORK MASK	255.25	5.255.0				
GATEWAY	192.16	81011				
DNS SERVER	192.16	8.10.1				
DNS SERVER (SECONDARY)	192.16	8.10.2				
DNS SUFFIX	stagete	ec.com.au				

In the end, set up a **HOST NAME** and **NTP SERVER** to assign a unique identifier to your device on a network and synchronize the clocks of devices within a network. Host name are human-readable labels that help users and other devices identify and access that specific device and is used to identify the unit with the Smart pi EYE server.

Sy	stem							
	NETWORK	LDAP	VPN SET	TINGS	UPDATE	BACKUP	SYSTEM	
CONFIGURE IP ADDRESS AND DNS								
IN	TERFACE TYPE:		Static OHCP					
IP	ADDRESS		192.168.101.65					
NE	TWORK MASK		255.255.255.0					
G/	ATEWAY		192.168.101.1					
DM	IS SERVER		192.168.10.1					
D) (Si	IS SERVER ECONDARY)		192.168.10.2					
DI	IS SUFFIX		stagetec.com.au					
-	NGTNAME							
H			EYE-DEFAULT					
NI	PSERVER		pool.ntp.org					

Once done. click	JPDATE to update	all the data vou enter	ed into the fields.

System										
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM					
CONFIGURE IP ADDRESS AND DNS										
INTERFACE TYPE:	Static	O DHCP								
IP ADDRESS	192.16	8.101.65								
NETWORK MASK	255.25	6.265.0								
GATEWAY	192.16	8.101.1								
DNS SERVER	192.16	8.10.1								
DNS SERVER (SECONDARY)	192.16	8.10.2								
UNS SUFFIX	staget	ec.com.au								
HOSTNAME	EYE-C	DEFAULT								
NTP SERVER	pool.n	p.org								
UPDATE										

4.2.3. LDAP Setting

This section allows you to use LDAP (Lightweight Directory Access Protocol) protocol for accessing and maintaining distributed directory information services over a network. Allowing user to limit access with single sign on.

Start by clicking the radio button of your choice to choose whether you'd like to enable or disable **Authentication**.

S	ystem							
1	NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM		
	(Add multiple LDAP groups separated by comma)							
	AUTHENTICATION:	Enabl	led O Disabled					



Proceed with adding the Host Name in the given field.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
(Add multiple LDAP groups (Add multiple OU separate	s separated by comma) d by comma)	led 🔿 Dirabled				
HOSTNAME	dap.s	mart-pi.info				
Domain	@sma	ut-pi.info				

Add the **Domain** in your LDAP settings. This domain will refer to a base DN or Distinguished Name, which will be used to define the starting point within the LDAP directory tree for various operations.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
(Add multiple LDAP groups (Add multiple OU separated	separated by comma) d by comma)					
AUTHENTICATION: HOSTNAME	 Enabl Idap.si 	ed Oisabled mart-pi.info				
Domain	@sma	rt-pi.info				



Now, add **User Group** and **Admin Group** in the given fields. The name entered in the **ADMIN GROUP** will represent a group of users with administrative privileges and special permissions within the directory or network. The name entered in the **USER GROUP** will represent a group of user entries organized together for administrative or access control purposes.

Users can only read values where Administrators are able to make changes to the device.

System								
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM			
(Add multiple LDAP groups (Add multiple OU separated	(Add multiple LDAP groups separated by comma) (Add multiple OU separated by comma)							
AUTHENTICATION: Enabled Disabled								
HOSTNAME	ldap.sr	mart-pi.info						
DOMAIN	@sma	rt-pi.info						
USER GROUP	Users	Group						
ADMIN GROUP	Admin	Group						

In the end, add **ACTIVE DIRECTORY OU** which will organize and manage objects in a logical and hierarchical manner allowing administrators to apply group policies, permissions, and other settings to a specific subset of objects within a domain.

System									
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM				
(Add multiple LDAP groups separated by comma)									
(Add multiple OU separated by comma)									
AUTHENTICATION: Enabled Disabled									
HOSTNAME	ldap.s	mart-pi.info							
DOMAIN	(@sm	art-pi.info							
USER GROUP	Users	Group							
ADMIN GROUP	Admir	nGroup	/						
ACTIVE DIRECTORY OU	Active	Directory OU							
ACTIVE DIRECTORY DN	cn=us	ers,do=smart-pi,do=info							
UPDATE									

Also, add ACTIVE DIRECTORY DN, which will represent the object's full path within the directory structure, starting from the object itself and going up to the root of the domain. In LDAP, it provides a way to uniquely identify and locate objects in a directory.

System									
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM				
(Add multiple LDAP groups s	eparated by comma)								
(Add multiple OU separated by comma)									
AUTHENTICATION: Enabled Disabled									
HOSTNAME	ldap.s	mart-pi.info							
DOMAIN	Øsma	ut-pi.info							
USER GROUP	Users	Group							
ADMIN GROUP	Admir	Group							
ACTIVE DIRECTORY OU	Active	Directory OU							
ACTIVE DIRECTORY DN	on=us	ers,dc=smart-pi,dc=info							
UPDATE									

When done, click the **UPDATE** button at the bottom.

System							
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM		
(Add multiple LDAP groups s	eparated by comma)						
(Add multiple OU separated	by comma)						
AUTHENTICATION:	Enabl	ed 🧿 Disabled					
HOSTNAME	ldap.sr	nart-pi.info					
DOMAIN	()sma	rt-pi.info					
USER GROUP	Users(Group					
ADMIN GROUP	Admin	Group					
ACTIVE DIRECTORY OU	Active	Directory OU					
ACTIVE DIRECTORY DN	CN=US6	ərs,do=smart-pi,do=info					
UPDATE							

4.2.4. VPN Settings

You can use PPTP VPN to connect to a Smart pi EYE server on a different network via VPN.

This should only be used when required and traversing the internet for example.

To Enable PPTP VPN, click the checkbox next to **ENABLED** to enable VPN and add the required settings from your network administrator.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
ENABLED:						
SERVER	vpn.sma	art-pi.info				
USERNAME	User					
PASSWORD						
UPDATE CO	DNNECT DISC	DNNECT				

Enter the USERNAME and PASSWORD of your Admin account.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
ENABLED:	-					
SERVER	vpn.sn	nart-pi.info				
USERNAME	User					
PASSWORD						
UPDATE	DNNECT DISC	CONNECT				



Click the **UPDATE** button to update to new settings or click the **CONNECT** button to connect to the network. You can also click the **DISCONNECT** button to disconnect the network.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
ENABLED:	-					
SERVER	vpn.sr	nart-pi.info				
USERNAME	User					
PASSWORD						
UPDATE CO	DINNECT DISC	CONNECT				

4.2.5. Update

It is possible to updated the EYE-HD firmware via the web interface.

Click on **Choose File** to choose a file from your system.

NETWORK LDAP VPN SETTINGS UPDATE BACKUP SYSTEM UPLOAD FILE: UPLOAD	System						
UPLOAD FILE: Choose file No file chosen	NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
UPLOAD	UPLOAD FILE:	Choo	se file No file chosen				
	UPLOAD						

Now, click on the UPDATE button to push the update to all screens and follow any instructions.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
UPLOAD FILE:	Choo	se file No file chosen				
UPLOAD						



4.2.6. BACKUP

In the **Backup** section, click on the **BACKUP** button to back up all the data on your computer.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Backup						
ВАСКИР						
Restore						
UPLOAD FILE:	Choose	e file No file chosen				
RESTORE						

If you want to restore settings from a backup file, go to the **Restore** section and click **Choose File**. This will allow you to choose the backup file from your computer.

System				
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP
Backup				
васкир				
Restore				
UPLOAD FILE:	Choos	se file No file chosen		
RESTORE				

Click the **RESTORE** button to start the process.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Backup васкир						
Restore						
UPLOAD FILE:	Choo	se file No file chosen				
RESTORE						

4.2.7. SYSTEM

You can set the timezone for all connected screens from the **TIMEZONE** field.

System					
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM
Server Settings					
TIMEZONE:	Austra	alia/Sydney			÷

In the LAYOUT field, choose if you want your screens to be landscape or portrait by clicking on the respective radio button if one-word provisioning is not available.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Server Settings						
TIMEZONE:	Austra	alia/Sydney			÷	
LAYOUT:	 Portra 	ait O Landscape				

If you are using one-word provisioning, the server settings will win.

You can choose the startup delay by clicking on the upward and downward arrows. Please note that the startup delay is measured in seconds.

This is useful if you have the device behind WIFI or a modem which takes longer to start up than the Smart pi EYE-HD.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Server Settings						
TIMEZONE:	Austra	alia/Sydney			÷	
LAYOUT:	 Portra 	ait O Landscape				
STARTUP DELAY:		seconds	-			

You can choose the number of days you want to display images on the screens by choosing the number in the KEEP DISPLAY IMAGES field.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Server Settings						
TIMEZONE:	Austra	lia/Sydney			¢	
LAYOUT:	 Portra 	it O Landscape				
STARTUP DELAY:	^ 1 ~	seconds				
KEEP DISPLAY IMAGES:	3	days				



Click on the UPDATE button to update to new settings.

System						
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM	
Server Settings						
TIMEZONE:	Austra	alia/Sydney			÷	
LAYOUT:	 Portra 	ait O Landscape				
STARTUP DELAY:	1	seconds				
KEEP DISPLAY IMAGES:	3	days				
UPDATE						

You can also restart or shutdown Smart pi EYE by clicking on the respective buttons.

System					
NETWORK	LDAP	VPN SETTINGS	UPDATE	BACKUP	SYSTEM
Server Settings					
TIMEZONE:	Austr	alia/Sydney			
LAYOUT:	 Portr 	ait O Landscape			
STARTUP DELAY:	^ 1 ~	seconds			
KEEP DISPLAY MAGES:	3	days			
UPDATE					
RESTART EYE-HD					
SHUT DOWN EYE-HD					

Be careful when using shutdown as you can NOT remotely restart the unit.

4.3. Monitoring Tab

This tab provides you insights into your screens.

System			
DISPLAY HYUNDAI IT			
START DATE			
29-08-2023 18:26	i i	1	
END DATE			
29-08-2023 20:26			
SEARCH			
Data: 21/07/2022	Date: 21/07/2022	Data: 21/07/9022	Data: 91/07/2022 Data: 2
Time: 15:19:55	Time: 15:18:55	Time: 15:17:55	Time: 15:18:55 Time: 1
Sour Aliver Next Service5:19:54	Knarrøllver Next ServictS-18.54	Sourphra Next Senict5:17:54	Source/ine Next ServiceS 16.54
14 Bondi Junction	14 Bondi Junction	T4 Bondi Junction	T4 Bondi Junction T4
24	24	24	24
Town Hall Martin Place Kings Crace	Town Hall Martin Place	Town Hall Martin Place	Town Hall Town Martin Place Mart Vience Vien
Edgecliff Bondi	Edgecliff Bondi	Edgecliff Bondi	Edge closs Ning Edge Edge Bondi Boni
		🛪 System 😽 Monitoring 📑 Logs	

4.3.1. **DISPLAY**

This section allows you to filter campaigns running and screens used by these campaigns based on the date filters. You can choose the **Start Date** and **End Date** by clicking on the respective calendars.

System				
	π			
START DATE				
28-08-2023 22:05				
END DATE				
29-08-2023 00:05		8		
SEARCH				
Date: 31/07/2023 Time: 15:19:55	Date: 31/07/2023 Time: 15:18:55		Date: 31/07/2023 Time: 15:17:55	
Source Invest Services:19.54	Start Strine Next Senilo15:18:54		Start Service 5:17:54	
14 Bondi Junction	14 Bondi Junction		14 Bondi Junction	
24	2	4	24	
Town Hall Martin Place Kings Cross Edgecliff Bondi Junction	Town Hall Martin Place Kings Cross Edgecliff Bondi Junction		Town Hall Martin Place Kings Cross Edgecilff Bondi Junction	
			🔿 System 😽 Monitoring	🖹 Logs

System				
DISPLAY	HYUNDAI IT			
START DATE				
28-08-2023 22:05				
END DATE				
29-08-2023 00:05				
SEARCH				
Date: 31/07/2023 Time: 15:19:55		Date: 31/07/2023 Time: 15:18:55	Date: 31/07/2023 Time: 15:17:55	
Sourcelline Next Service5:19:54		Source() on Ment Service(5:18:54	Source(Inn Next Service5:17:54	
14 Bondi Junction		14 Bondi Junction	14 Bondi Junction	
24		24	24	

Once you have entered the dates, click on the **SEARCH** button and you will see the results below.

4.3.2. HYUNDAI IT

Click on the **HYUNDAI IT** tab from the top to access this section. This allows you to tap into more settings like brightness level, power control, remote control, contrast level, etc. when the unit is connected to a Hyundai IT display.

The Hyundai IT display is automatically detected, and settings will appear. An additional RS232 to USB cable is required to integrate to the Hyundai IT display.

To see logs from a particular date, use **START DATE** and **END DATE** calendars and tap **SEARCH**.

Search Logs Start date										
29-08-2023									Ħ	
END DATE										
29-08-2023									Ħ	
SEARCH										

You can control other settings like power, remote, fan, backlight, and input source from this screen as well. While power and remote control can only be **ON** or **OFF**, other settings offer more options.

DISPLAY	HYUNDAI IT									
		Serial Error : Error in connecting s	erial port[Errno 2] could	not open port /dev	/ttyUSB0: [Ermo 2] No such file or di	rectory: '/dev/ttyU	SB0'		
			Power Control							
Current Temp.:			ON	OFF						
6v PSU: 12v PSU:			Remote Control							
24v PSU:			ON	OFF						
Fan Status(out):			Fan Control							
Door Status:			ON	OFF	AUTO					
Model Number:			Backlight Control							
Main Board Firmware:			LOW	MEDIUM	HIGH	AUTO				
Monitoring Board Firmwa	ire:		Input Source							
			input Source							
			HDMI	HDMI 2	HDMI 3	PC	COMP	AV	DVI	

Set the Brightness and Contrast by dragging levels on the scale.

Brightness	-	
		128
Contrast		
		128

4.3.3. Logs Tab

It is possible to see the Smart pi EYE-HD system logs if requested by support.

Logs		
START DATE		
29-08-2023		
END DATE		
29-08-2023		
SEARCH		
		Q
Date/Time ^	Hostname o	Details
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14382]: (root) CMD (/usrfib/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian/ambian
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14383]: (root) CMD (luor(tiblermbian)ermbian-ept-updates)
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14361]; (root) CMD (lust/bin/neupdate /var/socipts/updatedns.bd)
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14380]: (CRON) info (No MTA installed, discarding output)
29/08/2023 00:01:01	EYE-DEFAULT	CRON[14425]: (roxi) CMD (/usr/bin/nsupdate /var/scripts/updatedns.bd)
29/08/2023 00:01:01	EYE-DEFAULT	CRON[14424]: (CRON) Info (No MTA installed, discarding output)
29/08/2023 00:02:01	EYE-DEFAULT	CRON[14483]: (rost) CMD (lust/bin/tsuptate /var/scriptslupdatedns bit)
29/08/2023 00:02:01	EYE-DEFAULT	CRON(14482): (CRON) info (No MTA installed, discarding output)
Showing 1 to 8 of 56 entries		Fitz Previous 1 2 9 4 5 6 7 Next Last
EVPANT		
		+ System + Montoring

Click Logs from the bottom of the screen to get started.

Choose the date range by selecting a **START DATE** and **END DATE** from the respective calendars.

Logs		
START DATE		
29-08-2023		
END DATE		
29-08-2023		
SEARCH		
Date/Time ~	Hostname ¢	Details
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14362]: (root) CMD (lusr/lib/armbian/armbian-truncate-logs)
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14383]: (root) CMD (/usr/lib/armbian/armbian-apt-updates)
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14361]: (root) CMD (/usr/bin/nsupdate /var/scripts/updatedns.bd)
29/08/2023 00:00:01	EYE-DEFAULT	CRON[14360]: (CRON) info (No MTA installed, discarding output)
29/08/2023 00:01:01	EYE-DEFAULT	CRON[14425]: (root) CMD (/usr/bin/nsupdate /var/soripts/updatedns.bd)
29/08/2023 00:01:01	EYE-DEFAULT	CRON[14424]; (CRON) info (No MTA installed, discarding output)
29/08/2023 00:02:01	EYE-DEFAULT	CRON[14483]: (root) CMD (/usr/bin/nsupdate /var/scripts/updatedns.bd)
		🛪 System 😽 Monitoring 📑 Logs

Click on the **SEARCH** button pulls up all the relevant logs for you. The results show Date/Time, Hostname, and Details.

Logs									
START DATE									
29-08-2023									
END DATE									
29-08-2023		/							
SEARCH	مسيع								

5. TECHNICAL DATA

Weight	500 Grams
Dimensions	145mm x 130mm x 27mm
Operating temperature range	0 – 70 Degrees Celsius
Power	Micro USB: 5V DC @ 500mA
Input	2 x GPI
Output	2 x GPO, 2 x Balanced Audio
Connectivity	RJ45 LAN 10/100/1000