



# User Guide & Installation Manual

AI-Powered CCTV Surveillance System — Complete Setup & Usage Reference

VERSION	SUPPORT	WEBSITE
2.0	support@garudai.com	https://garudai.com
 <b>PURCHASE</b>		
purchase.garudai.com		

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1

System Requirements

Before installing GarudAI, ensure your Windows PC meets the following requirements:

REQUIREMENT	MINIMUM	RECOMMENDED
OS	Windows 10 64-bit (v1809+)	Windows 11 64-bit
RAM	8 GB	16 GB
CPU	4-core, 2.5 GHz	8-core, 3.5 GHz
Disk Space	50 GB free	100 GB SSD
GPU	Not required	NVIDIA with 4GB+ VRAM
Internet	Required for setup & license	Broadband recommended
Display	1280×720	1920×1080

⚠

**Important:** Your PC must support **Docker Desktop with WSL2**. This requires Windows 10 version 1903+ with virtualization enabled in BIOS. See Troubleshooting section 11.3 if virtualization is disabled.

2

What Gets Installed

COMPONENT	PURPOSE	INSTALLED BY
WSL2	Required for Docker on Windows	Installer
Docker Desktop	Runs GarudAI containers	Installer
GarudAI Services (11 containers)	AI surveillance engine	Installer
GarudAI Tray App	System tray control panel	Installer

The 11 GarudAI Services

SERVICE	WHAT IT DOES
Backend API	AI processing, REST API, WebSocket live feeds
Frontend	Web dashboard accessed via browser
PostgreSQL	Database for cameras, alerts, users
Redis	Real-time messaging, task queue
Celery Worker	Async tasks (alerts, backups, notifications)
Celery Beat	Scheduled tasks (auto-backup)
MediaMTX	RTSP/HLS/WebRTC video streaming
Prometheus	System metrics collection
Grafana	Monitoring dashboards
MinIO	Video clip and snapshot storage
Jaeger	Request tracing (advanced diagnostics)

- ✓ All services run as Docker containers — they do **not** install anything into Windows system directories.

## 3 Installation Guide

### Step 1 – Run the Installer

1. Double-click **GarudAI-Setup-v2.0.exe**
2. If Windows asks "Do you want to allow this app to make changes?" — click **Yes**
3. The installer wizard will open

### Step 2 – Accept the License Agreement

Read the End User License Agreement and click **I accept the agreement**, then **Next**.

### Step 3 – Choose Installation Directory

Default: `C:\Program Files\GarudAI` — recommended. Click **Next**.

### Step 4 – System Checks

The installer automatically verifies: Windows version, 64-bit OS, 8 GB RAM, 50 GB free disk. If any check fails, an error message will guide you.

### Step 5 – WSL2 Installation

- ⚠ If WSL2 is not already enabled, the installer will enable it. This requires a **Windows restart**. After restarting, run the installer again — it will resume automatically.

### Step 6 – Docker Desktop Installation

If Docker Desktop is not installed, the installer downloads and installs it (~500 MB). This may take 5–10 minutes depending on internet speed.

### Step 7 – Downloading AI Components

**i First install only:** Downloads 3–5 GB of AI model containers from Docker Hub. Takes 10–20 minutes on a broadband connection. Do not close the installer during this step.

Step 8 – Installation Complete

When done, the GarudAI tray icon appears in your system tray. Open the dashboard at <http://localhost:3010>.

4 First Login

DEFAULT LOGIN CREDENTIALS

Username: admin  
Password: Admin@12345

**Security:** Change your password immediately after first login via Settings → Change Password. The default password is the same on all installations.

5 Trial Period & Limitations

GarudAI includes a **7-day free trial** automatically on first install. No credit card required.

FEATURE	TRIAL	PAID PLAN
Cameras	1 camera only	Up to 5 (+ add-ons)
Object Detection (80 classes)	✓	✓

Face Recognition		✓	✓
License Plate OCR		✓	✓
W	D t ti	✗ Not	— F ll

**i** After trial expiry, the system continues running with trial restrictions. No data is lost. Purchase a license at [purchase.garudai.com](https://purchase.garudai.com) to restore full access.

6 Purchasing a License

Visit [purchase.garudai.com](https://purchase.garudai.com) to buy a license. Select your plan, fill in your details, and pay securely via PayU (UPI, cards, net banking).

Your product key and GST invoice are emailed **instantly** after payment.

Purchase Steps

- 1. Go to [purchase.garudai.com](https://purchase.garudai.com)
- 2. Select a plan (Quarterly / Half-Year / Annual)
- 3. Add extra camera slots if needed
- 4. Enter your name, email, and phone
- 5. Click **Proceed to Pay** → complete PayU payment
- 6. Check your email for the product key and invoice

7 Activating Your License Key

Via Tray App (Recommended)

- 1. Click the GarudAI icon in the system tray (bottom-right taskbar)
- 2. Select **Activate License...**
- 3. Enter your product key: `GRDI-XXXX-XXXX-XXXX-XXXX`
- 4. Click **Activate** — full access restored immediately

Via Dashboard

Go to `http://localhost:3010` → Settings → License → enter key → Activate.

✓ Each product key is tied to one machine. To transfer to a new PC, contact [support@garudai.com](mailto:support@garudai.com) — we reset the binding within 1 business day.

8 Adding Cameras


Supported Camera Types

TYPE	EXAMPLE URL
IP Camera (RTSP)	<code>rtsp://192.168.1.100:554/stream1</code>
HTTP MJPEG	<code>http://192.168.1.100:8080/video</code>
USB Webcam	Index: <code>0</code> , <code>1</code> , etc.
ONVIF	Auto-discovered on local network

Adding a Camera

- 1. Go to **Cameras** → **Add Camera**
- 2. Enter camera name, RTSP/HTTP URL or webcam index
- 3. Select camera type and location label
- 4. Click **Add Camera**



 **Trial limit:** Only 1 camera during trial. Attempting to add more shows a "Camera limit reached" message with a link to upgrade.

9 AI Detection Features

CATEGORY	EXAMPLES	SEVERITY
Humans	Person	Info
Firearms (Paid)	Gun, Rifle, Pistol	 Critical
Sharp Weapons (Paid)	Knife, Sword, Machete	 Critical
Vehicles	Car, Truck, Motorcycle	Info
Animals	Dog, Cat, Bear	Info

Enabling Detection

Cameras → select camera → Detection Settings → toggle **Enable AI Detection** → choose categories → set confidence threshold (default 40%).

Face Recognition

Face Recognition → Add Profile → upload a clear frontal photo → enter name. GarudAI automatically matches this person in future detections.

License Plate Recognition

Detected plates are automatically read via OCR and stored. Search recorded plates under the **License Plates** section.

10 Alerts & Notifications

Email Alerts

Settings → Notifications → enter SMTP server, email address, minimum severity → Save & Test.

## Telegram Alerts

1. Create a Telegram bot via @BotFather → get token and chat ID
2. Settings → Notifications → Telegram → enter token and chat ID → Save & Test

✓ Alert throttling prevents flooding: repeated alerts of the same type per camera are limited to once every 30 seconds (configurable in Settings).

## 11 Troubleshooting

### 11.1 – Dashboard Won't Open (localhost:3010)

Check the tray icon colour. If red/yellow: tray → **Restart Services** → wait 60 seconds.

If still failing, open Command Prompt as Admin and run: `cd "C:\Program Files\GarudAI" && docker compose ps`

### 11.2 – Docker Desktop Not Starting

Open Task Manager → find Docker Desktop → End Task → reopen from Start Menu. Allow any update and wait 2–3 minutes.

### 11.3 – Virtualization Not Enabled

1. Restart PC → press F2/F10/DEL/ESC to enter BIOS
2. Find "Virtualization Technology", "Intel VT-x", or "AMD-V" → Enable
3. Save and exit → restart Windows

### 11.4 – WSL2 Issues

Open PowerShell as Admin and run:

```
wsl --update then wsl --set-default-version 2 , then restart Docker Desktop.
```

### 11.5 – License Activation Fails

Check internet connection. If behind a corporate proxy, whitelist `licensestore.garudai.com` .  
Contact [support@garudai.com](mailto:support@garudai.com) with your product key.

11.6 – Camera Feed Not Showing

Verify the RTSP URL works in VLC first. Ensure PC and camera are on the same network. Check that port 8554 is not blocked by firewall.

12 License Plans & Pricing

PLAN	DURATION	CAMERAS	WEAPON DETECTION	PRICE (INCL. 18% GST)
Trial	7 days	1	✗	Free
Quarterly	3 months	5	✓	₹11,800
Half-Year	6 months	5	✓	₹21,240
Annual	12 months	5	✓	₹37,760
Extra Camera	Per month	+1 per slot	✓	₹2,950/cam/month

All paid plans include full weapon detection, face recognition, LPR, and all other features. GST-compliant invoice emailed automatically on purchase.

13 Frequently Asked Questions

Can I install on multiple PCs with one license?

No. Each key is tied to one machine's hardware fingerprint. Purchase separate licenses for each PC. Contact us for volume pricing.

What happens when my trial expires?

The system continues running with trial restrictions (1 camera, no weapon detection). No data is lost. Purchase at [purchase.garudai.com](https://purchase.garudai.com) to restore full access.

Do I need internet all the time?

No. Internet is needed for setup and license validation (once per 24 hours). If the license server is unreachable, GarudAI continues working for up to 48 hours using the last validated state.

### **Are my camera feeds stored in the cloud?**

No. All video processing and storage happens locally on your PC. Only license validation data (machine fingerprint + product key) is sent to our servers.

### **What if I need more than 5 cameras?**

Purchase Extra Camera add-ons at ₹2,950/camera/month. There is no hard upper limit.

### **How do I transfer my license to a new PC?**

Email [support@garudai.com](mailto:support@garudai.com) with your product key. We reset the machine binding within 1 business day.

### **Can GarudAI work offline (air-gapped)?**

Contact [support@garudai.com](mailto:support@garudai.com) for an offline license arrangement.

**GarudAI Surveillance System — User Guide v2.0**  
[support@garudai.com](mailto:support@garudai.com) · <https://garudai.com> · [purchase.garudai.com](https://garudai.com/purchase)