

API Documentation – CCTV Management System

Base URL (Dev)

```
http://localhost:3000/api
```

Base URL (Prod) Nanti ganti dengan domain/host server production.

1. Auth

Register Admin

Endpoint

```
POST /auth/register
```

Headers

```
Content-Type: application/json
```

Body

```
{
  "name": "Admin",
  "email": "admin@example.com",
  "password": "123456"
}
```

Response 201

```
{
  "message": "Admin berhasil didaftarkan",
  "admin": {
    "id": "64abc123...",
    "name": "Admin",
    "email": "admin@example.com",
    "role": "admin"
  }
}
```

Notes

- Hanya untuk membuat akun admin.
- Email harus unik.

Login Admin

Endpoint

```
POST /auth/login
```

Headers

```
Content-Type: application/json
```

Body

```
{
  "email": "admin@example.com",
  "password": "123456"
}
```

Response 200

```
{
  "token": "JWT_TOKEN_HERE",
  "admin": {
    "id": "64abc123...",
    "name": "Admin",
    "email": "admin@example.com",
    "role": "admin"
  }
}
```

Notes

- Token JWT digunakan untuk akses endpoint yang membutuhkan autentikasi.
- Simpan token di `localStorage` atau `sessionStorage`.

2. Camera

Get All Cameras

Endpoint

```
GET /cameras
```

Headers

```
Authorization: Bearer JWT_TOKEN
```

Response 200

```
[
  {
    "id": "64abc123...",
    "name": "Kamera Depan",
    "description": "Mengawasi gerbang utama",
    "latitude": -6.2,
    "longitude": 106.816666,
    "streamUrl": "rtsp://192.168.1.10/live",
    "is_active": true,
    "created_at": "2025-08-10T10:00:00Z",
    "updated_at": "2025-08-10T10:00:00Z"
  }
]
```

Get Camera by ID

Endpoint

```
GET /cameras/camera/:id
```

Headers

```
Authorization: Bearer JWT_TOKEN
```

Response 200

```
{
  "id": "64abc123...",
  "name": "Kamera Depan",
  "description": "Mengawasi gerbang utama",
  "latitude": -6.2,
  "longitude": 106.816666,
  "streamUrl": "rtsp://192.168.1.10/live",
  "is_active": true,
}
```

```
"created_at": "2025-08-10T10:00:00Z",  
"updated_at": "2025-08-10T10:00:00Z"  
}
```

Create Camera *(Admin only)*

Endpoint

POST /cameras

Headers

Authorization: Bearer JWT_TOKEN
Content-Type: application/json

Body

```
{  
  "name": "Kamera Depan",  
  "description": "Mengawasi gerbang utama",  
  "latitude": -6.200000,  
  "longitude": 106.816666,  
  "streamUrl": "rtsp://192.168.1.10/live"  
}
```

Response 201

```
{  
  "id": "64abc123...",  
  "name": "Kamera Depan",  
  "description": "Mengawasi gerbang utama",  
  "latitude": -6.2,  
  "longitude": 106.816666,  
  "streamUrl": "rtsp://192.168.1.10/live",  
  "is_active": true,  
  "created_at": "2025-08-10T10:00:00Z",  
  "updated_at": "2025-08-10T10:00:00Z"  
}
```

Update Camera *(Admin only)*

Endpoint

```
PUT /cameras/camera/:id
```

Headers

```
Authorization: Bearer JWT_TOKEN  
Content-Type: application/json
```

Body

```
{  
  "name": "Kamera Belakang",  
  "description": "Mengawasi area belakang",  
  "latitude": -6.210000,  
  "longitude": 106.815000,  
  "streamUrl": "rtsp://192.168.1.20/live",  
  "is_active": false  
}
```

Response 200

```
{  
  "message": "Camera updated successfully",  
  "camera": { ... }  
}
```

Delete Camera *(Admin only)*

Endpoint

```
DELETE /cameras/camera/:id
```

Headers

```
Authorization: Bearer JWT_TOKEN
```

Response 200

```
{  
  "message": "Camera deleted successfully"  
}
```

Error Responses

- **400** → Bad Request (format data salah)
- **401** → Unauthorized (token salah/expired)
- **403** → Forbidden (role tidak sesuai)
- **404** → Data tidak ditemukan