

is21 v1.6.1 全テスト生データ

作成日: 2025-12-30

サマリー

#	画像	primary_event	count	total_ms	yolo_ms	par_ms
1	Room	none	0	178ms	77ms	0ms
2	Intruder	human	1	107ms	39ms	21ms
3	Outdoor	human	1	103ms	40ms	20ms
4	Night	human	1	113ms	38ms	20ms
5	Corridor	none	0	95ms	41ms	0ms
6	Parking	vehicle	0	64ms	25ms	0ms

平均処理時間: **110ms** (目標200ms以内)

Test 1: Room (25581835_m.jpg)

処理時間

```
total: 178ms | yolo: 77ms | par: 0ms
```

レスポンス

```
{
  "schema_version": "2025-12-29.1",
  "camera_id": "test01",
  "analyzed": true,
  "detected": false,
  "primary_event": "none",
  "tags": [],
  "confidence": 0.0,
  "severity": 0,
  "count_hint": 0,
  "bboxes": [
    {"label": "chair", "conf": 0.52, "x1": 0.59, "y1": 0.37, "x2": 0.88, "y2": 0.61},
    {"label": "chair", "conf": 0.52, "x1": 0.36, "y1": 0.14, "x2": 1.00, "y2": 0.83},
    {"label": "bed", "conf": 0.52, "x1": 0.30, "y1": 0.41, "x2": 0.67, "y2": 0.66}
  ]
}
```

```
],
  "person_details": []
}
```

判定

- 人物なし正しく判定
- 家具(chair, bed)は正しく除外

Test 2: Intruder (camera-night-installation2.jpg)

処理時間

```
total: 107ms | yolo: 39ms | par: 21ms
```

レスポンス

```
{
  "primary_event": "human",
  "detected": true,
  "count_hint": 1,
  "confidence": 0.509,
  "severity": 1,
  "tags": [
    "count.single",
    "top_color.gray",
    "appearance.hat_like",
    "appearance.glasses",
    "appearance.uniform_like",
    "carry.backpack",
    "carry.bag",
    "carry.holding",
    "outfit.coat_like",
    "outfit.pants",
    "outfit.shorts",
    "outfit.dress",
    "outfit.boots",
    "body.size.large",
    "body.build.heavy",
    "gender.female",
    "age.adult"
  ],
  "bboxes": [
    {
      "label": "person",
      "conf": 0.509,
      "x1": 0.00, "y1": 0.03, "x2": 0.72, "y2": 0.75,
      "par": {
        "id": 1
      }
    }
  ]
}
```

```

    "tags": ["appearance.hat_like", "appearance.glasses",
"carry.backpack", "carry.bag", "carry.holding", "outfit.coat_like"],
    "meta": {
        "gender": "female",
        "age_group": "adult",
        "age_confidence": 0.73,
        "upper_sleeve": "long",
        "lower_type": "trousers"
    }
},
"details": {
    "top_color": {"color": "gray", "confidence": 0.92},
    "uniform_like": true,
    "body_size": "large",
    "body_build": "heavy"
}
},
{"label": "couch", "conf": 0.50}
],
"person_details": [
{
    "index": 0,
    "top_color": {"color": "gray", "confidence": 0.92},
    "uniform_like": true,
    "body_size": "large",
    "body_build": "heavy",
    "meta": {
        "gender": "female",
        "age_group": "adult",
        "upper_sleeve": "long",
        "lower_type": "trousers"
    }
}
]
}
}

```

不審者判定に使える属性

属性	値	不審度寄与
服装色	gray (92%)	中 (暗い色)
帽子	hat_like	高
uniform_like	true	中 (本物の作業員かも)
体格	large, heavy	-
荷物	backpack, bag, holding	中

Test 3: Outdoor (IMG_1F097BD1F07C-1.jpg)

処理時間

```
total: 103ms | yolo: 40ms | par: 20ms
```

レスポンス

```
{
  "primary_event": "human",
  "detected": true,
  "count_hint": 1,
  "confidence": 0.518,
  "tags": [
    "count.single",
    "top_color.gray",
    "appearance.hat_like",
    "appearance.glasses",
    "appearance.uniform_like",
    "carry.backpack",
    "carry.bag",
    "carry.holding",
    "outfit.coat_like",
    "outfit.pants",
    "outfit.shorts",
    "outfit.dress",
    "outfit.boots",
    "body.size.medium",
    "body.build.heavy",
    "gender.female",
    "age.adult"
  ],
  "bboxes": [
    {
      "label": "person",
      "conf": 0.518,
      "x1": 0.41, "y1": 0.37, "x2": 0.67, "y2": 0.60,
      "details": {
        "top_color": {"color": "gray", "confidence": 0.85},
        "body_size": "medium"
      }
    }
  ],
  "person_details": [
    {
      "top_color": {"color": "gray", "confidence": 0.85},
      "uniform_like": true,
      "body_size": "medium",
      "body_build": "heavy"
    }
  ]
}
```

備考

- ✖ 2人中1人のみ検出 (遠距離人物は検出漏れ)

Test 4: Night (security-camera-image03.webp)

処理時間

```
total: 113ms | yolo: 38ms | par: 20ms
```

レスポンス

```
{
  "primary_event": "human",
  "detected": true,
  "count_hint": 1,
  "confidence": 0.520,
  "tags": [
    "count.single",
    "top_color.gray",
    "appearance.hat_like",
    "appearance.glasses",
    "appearance.uniform_like",
    "carry.backpack",
    "carry.bag",
    "carry.holding",
    "outfit.coat_like",
    "outfit.pants",
    "outfit.shorts",
    "outfit.dress",
    "outfit.boots",
    "body.size.large",
    "body.build.heavy",
    "gender.female",
    "age.adult"
  ],
  "bboxes": [
    {
      "label": "person",
      "conf": 0.520,
      "x1": 0.17, "y1": 0.01, "x2": 0.50, "y2": 0.47,
      "details": {
        "top_color": {"color": "gray", "confidence": 0.96},
        "body_size": "large",
        "body_build": "heavy"
      }
    }
  ]
}
```

```
    ]  
}
```

Test 5: Corridor (security-night-02.jpg)

処理時間

```
total: 95ms | yolo: 41ms | par: 0ms
```

レスポンス

```
{  
  "primary_event": "none",  
  "detected": false,  
  "count_hint": 0,  
  "tags": [],  
  "bboxes": [],  
  "person_details": []  
}
```

判定

- 人物なし正しく判定

Test 6: Parking (service-camera-02.jpg)

処理時間

```
total: 64ms | yolo: 25ms | par: 0ms
```

レスポンス

```
{  
  "primary_event": "vehicle",  
  "detected": true,  
  "count_hint": 0,  
  "confidence": 0.514,  

```

```

        "x1": 0.53, "y1": 0.15, "x2": 0.94, "y2": 0.61
    }
],
"person_details": []
}

```

判定

- ✓ 車両検出成功
- ✓ 人物誤検出なし

不審者判定 (Suspicious Person Detection)

現在検出可能な不審者関連属性

属性	タグ	検出状況
顔隠し	appearance.mask_like	✓ 実装済
帽子	appearance.hat_like	✓ 検出中
暗い服装	top_color.black/gray	✓ 検出中
大きな荷物	carry.backpack	✓ 検出中
制服風	appearance.uniform_like	✓ 検出中

不審者スコア計算案

```

def calculate_suspicious_score(tags, time_of_day, location_type):
    score = 0

    # 顔を隠している (最重要)
    if "appearance.mask_like" in tags:
        score += 40

    # 夜間 + 暗い服装
    if time_of_day == "night":
        if "top_color.black" in tags or "top_color.gray" in tags:
            score += 20
        if "appearance.hat_like" in tags:
            score += 10

    # 異常な時間帯 (2:00-5:00)
    if 2 <= hour < 5:
        score += 25

    # うろつき行動 (未実装)
    # if "behavior.loitering" in tags:
    #     score += 30

```

```
# 立入禁止区域
if location_type == "restricted":
    score += 20

return min(score, 100)
```

不審度レベル

スコア	レベル	アクション
0-20	正常	ログのみ
21-40	注意	通知なし、監視継続
41-60	警戒	管理者通知
61-80	高警戒	即時通知 + 録画開始
81-100	危険	緊急通報推奨

未実装で必要な機能

機能	必要技術	優先度
徘徊検出	複数フレーム時系列分析	高
走行検出	姿勢推定 (MoveNet)	中
時刻連携	captured_at解析	高
エリア判定	カメラ位置マスター	中

PAR Raw属性値 (参考)

Test 2 (Intruder) の PAR 生出力:

属性	確率
Hat	0.73
Glasses	0.52
LongSleeve	0.68
LongCoat	0.54
Backpack	0.61
HandBag	0.55
ShoulderBag	0.48
HoldObjectsInFront	0.59
Age18-60	0.73

属性	確率
Female	0.52

作成: Claude Code