



SunGuide[®]

Report Information



1. **Report Name:** VisioPaD Summary Report

2. **Purpose of the Report:**

To provide District ITS Engineer and TMC Supervisors with information on VisioPaD alerts and how they were handled by operators and the statistics of VisioPaD alerts

3. **Data type definition:**

Alert Distribution = tabular (counts and percentage) and color-coded pie chart distribution of alert types within the time period.

Operator Alerts Handled = tabular and color-coded bar chart distribution of number of alerts handled by each operator.

Avg. Operator Response Time (sec.) = tabular and color-coded bar chart distribution of average response duration in seconds that each operator handled each type of alerts.

Avg. Response Time per Time of Day (sec.) = color-coded bar chart distribution of average response duration per every hour.

Camera Detection Distribution = tabular distribution of alert types for each camera sorted by camera name

Action Types (total) per Time of Day = Stacked bar chart distribution of different alert types with respect to time of day.

Action Types (pct.) per Time of Day = Percentage bar chart distribution of different alert types with respect to time of day.

Alert Action Summary = Daily summary of alert types and their associated reasons

ID = VisioPaD alert ID

Event ID = event ID created/associated with VisioPaD alert

Camera = Camera name

Alert Time = timestamp when an alert was detected.

Handled Time = time duration between when an alert was detected and when it was handled by the operator.

Handled By = Operator ID handled the alert

Result = the reason that is associated with alert response.

VisioPaD Detection Rate = statistics of VisioPaD detection

New Event Detected by VisioPaD: number of events detected by VisioPad within a selected time period.

Event Detected on Roadway w/ Camera Coverage = number of all events detected within a selected time period.

All Events with VisioPad as Notifying Agency = number of events detected by VisioPad as Notifying agency

Alarm Usefulness and Validity = statistics of VisioPaD alarm

Alarms that were Useful or Applicable Detections = the number of non-false alarms (and percentage) with one of the following actions taken: "Vehicle Drove Off", "Police Traffic Stop", "Median Work", or "Congestion"

Alarms that were Valid or Real-Object Detections = the number of non-false alarms (and percentage) that do NOT have any of the following actions taken: "No Apparent Cause", "Poor Video", "Rain on Lens", "Roadway Reflection", "Shadow", or "Too Much Sky"

4. Where is data fed from:

The data from this report comes from following tables and their associated fields.

Table: IDS_INCIDENT_ALARM

DETECTED_TIMESTAMP
RESOLVED_TIMESTAMP
OPERATOR
EVENT_ID
VP_ALARM_ID
ACTION_TAKEN
ACTION_DETAILS

Table: IDS_VP_ALARM_DATA

CITILOG_CAMERA_ID

5. What is the algorithm/formula used in the report:

These are simple summations and averages derived directly from database fields.