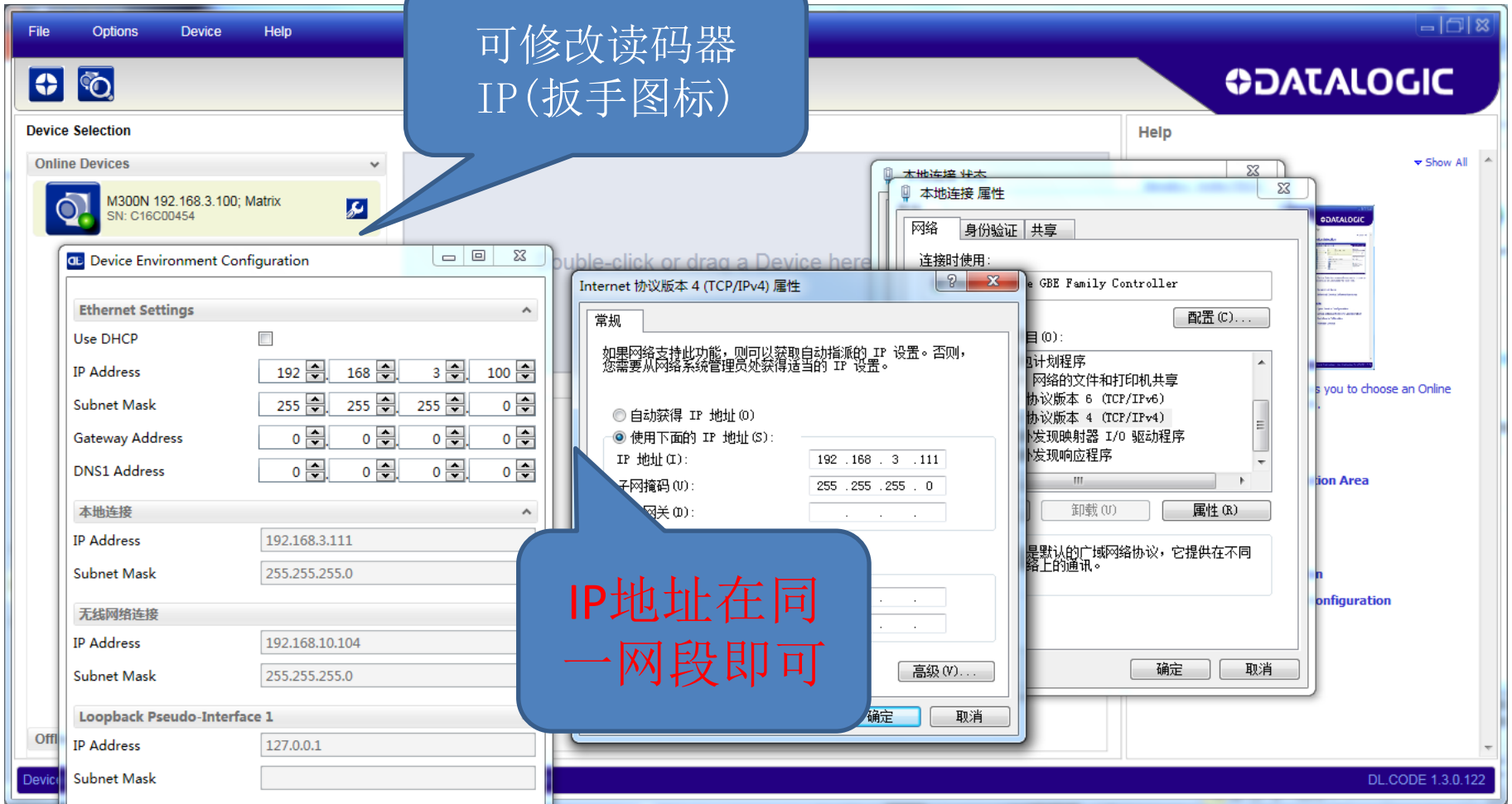




# DL.CODE 1.3基础操作培训



The screenshot displays the DATALOGIC software interface. At the top, there is a menu bar with 'File', 'Options', 'Device', and 'Help'. Below the menu bar, the 'Device Selection' panel shows a list of 'Online Devices' with a wrench icon next to the selected device 'M300N 192.168.3.100; Matrix SN: C16C00454'. A blue callout bubble points to this wrench icon with the text '可修改读码器 IP (扳手图标)'. The main area shows the 'Device Environment Configuration' window, which is divided into several sections: 'Ethernet Settings', '本地连接' (Local Connection), '无线网络连接' (Wireless Network Connection), and 'Loopback Pseudo-Interface 1'. The 'Ethernet Settings' section includes fields for 'Use DHCP', 'IP Address' (192.168.3.100), 'Subnet Mask' (255.255.255.0), 'Gateway Address' (0.0.0.0), and 'DNS1 Address' (0.0.0.0). The '本地连接' section shows 'IP Address' (192.168.3.111) and 'Subnet Mask' (255.255.255.0). The '无线网络连接' section shows 'IP Address' (192.168.10.104) and 'Subnet Mask' (255.255.255.0). The 'Loopback Pseudo-Interface 1' section shows 'IP Address' (127.0.0.1) and 'Subnet Mask'. Overlaid on this is a 'Internet 协议版本 4 (TCP/IPv4) 属性' dialog box. It has a '常规' (General) tab and contains the text: '如果网络支持此功能, 则可以获取自动指派的 IP 设置。否则, 您需要从网络系统管理员处获得适当的 IP 设置。' Below this text are radio buttons for '自动获得 IP 地址 (A)' and '使用下面的 IP 地址 (S):'. The '使用下面的 IP 地址 (S):' option is selected, and the fields for 'IP 地址 (I):' (192.168.3.111), '子网掩码 (M):' (255.255.255.0), and '网关 (G):' are filled. Another blue callout bubble points to the IP address field in this dialog with the text 'IP地址在同一网段即可'. In the background, there are other windows, including '本地连接 属性' (Local Connection Properties) and '本地连接 状态' (Local Connection Status).



The screenshot displays the DATALOGIC software interface. At the top, there is a menu bar with 'File', 'Options', 'Device', and 'Help'. Below the menu is a toolbar with various icons. The main window is divided into several sections:

- Device Selection:** On the left, there is a list of 'Online Devices'. One device is selected: 'M300N 192.168.3.100; Matrix SN: C16C00454'. Below this is an 'Offline Devices' section.
- Selected Device Details:** A table showing information for the selected device:

Name	Matrix
Model	M300N 412-010 LQL-9 RED WIDE STD
Layout Type	Alone
Internal Network Role	Slave
Status	1 Running
Startup Info	OK
IP Address	192.168.3.100
Application SW Version	1.3.0.811
Loader Version	1.38
- Task Selection:** A list of tasks with icons and labels:
  - Open Device Configuration
  - Setup Internal Network Configuration
  - Packtrack Calibration
  - Monitor Device

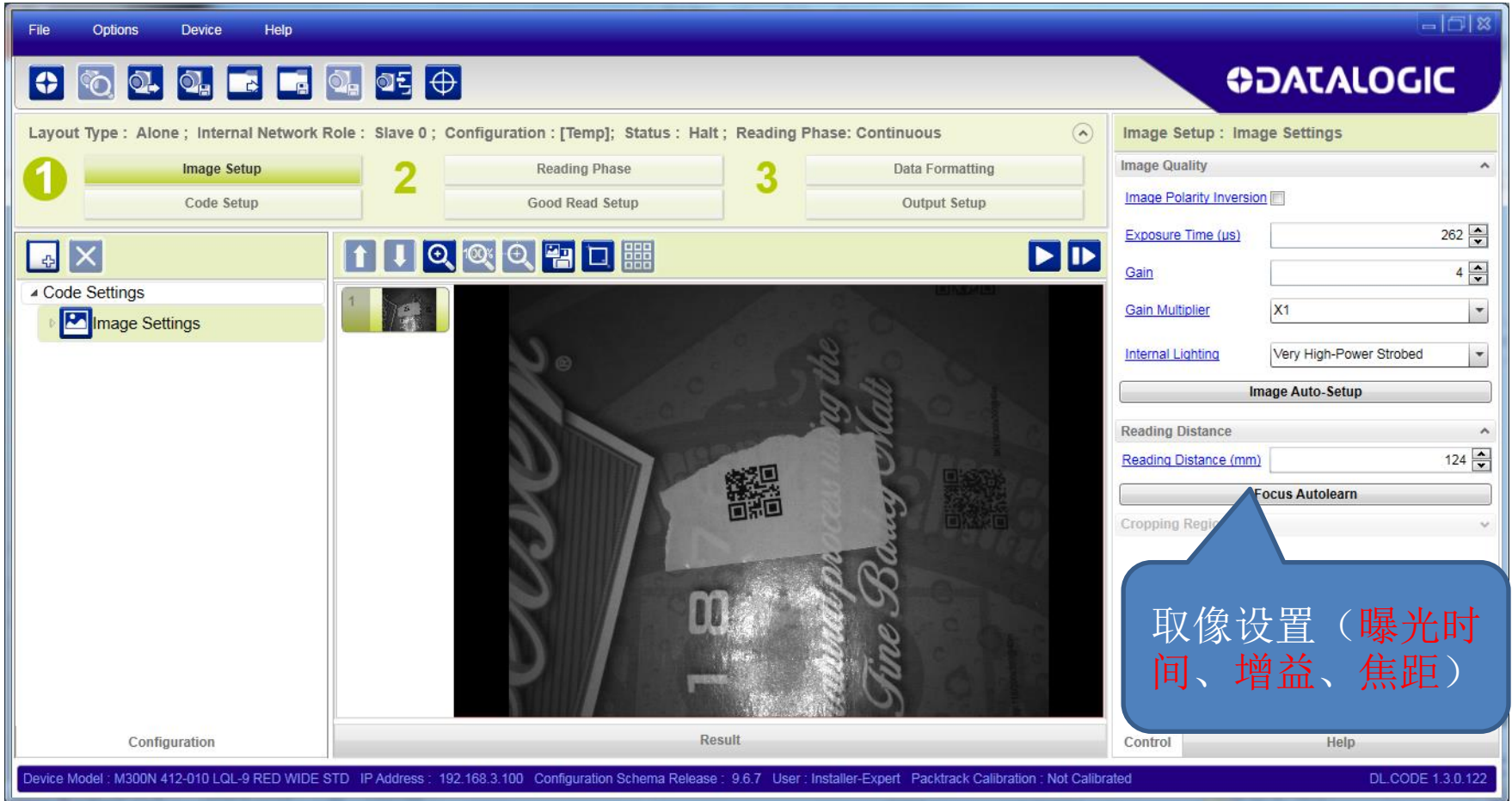
On the right side, there is a 'Help' section with a 'Device Selection' sub-section. It includes a small thumbnail of the software interface and a paragraph: 'The Device Selection screen allows you to choose an Online Device or a Simulator to work with.' Below this are two checked items: 'Device List Area' and 'Selected Device Information Area'. Further down, under 'Task Selection', there are four checked items: 'Open Device Configuration', 'Setup Internal Network Configuration', 'PackTrack Calibration', and 'Monitor Device'.

At the bottom of the window, a status bar displays: 'Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated'. In the bottom right corner, there is a small graphic with the Chinese character '中' and a globe.

读码器状态信息

建立模板  
(单个读码器使用)

# 1.1 图像设置



File Options Device Help

Layout Type : Alone ; Internal Network Role : Slave 0 ; Configuration : [Temp]; Status : Halt ; Reading Phase: Continuous

1 Image Setup 2 Reading Phase 3 Data Formatting

Code Setup Good Read. Setup Output Setup

Code Settings  
Image Settings

Image Setup : Image Settings

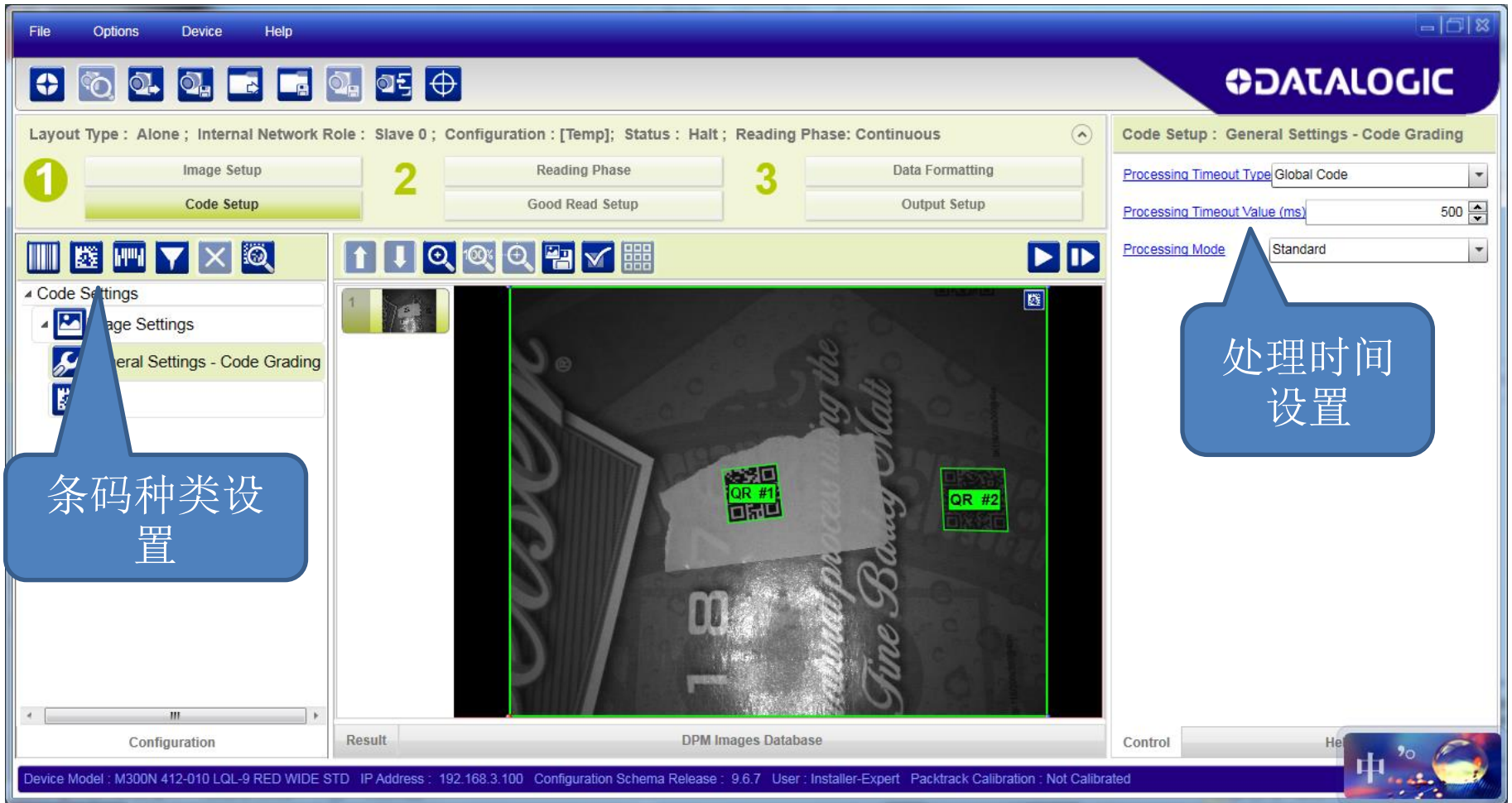
Image Quality  
Image Polarity Inversion   
Exposure Time (us) 262  
Gain 4  
Gain Multiplier X1  
Internal Lighting Very High-Power Strobed  
Image Auto-Setup  
Reading Distance  
Reading Distance (mm) 124  
Focus Autolearn  
Cropping Region

Configuration Result

Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated DL.CODE 1.3.0.122

取像设置 (曝光时间、增益、焦距)

# 1.2 条码种类设置



The screenshot displays the Datalogic software interface. At the top, there is a menu bar with 'File', 'Options', 'Device', and 'Help'. Below the menu is a toolbar with various icons. The main area is divided into several sections:

- Layout Type:** Alone ; Internal Network Role : Slave 0 ; Configuration : [Temp]; Status : Halt ; Reading Phase: Continuous
- Code Setup:** General Settings - Code Grading
- Processing Timeout Type:** Global Code
- Processing Timeout Value (ms):** 500
- Processing Mode:** Standard

A central window shows a live video feed of a QR code being scanned. The QR code is labeled 'QR #1' and 'QR #2'. A blue callout bubble points to the 'Processing Timeout Value (ms)' field with the text '处理时间设置' (Processing Time Setting).


At the bottom, there is a status bar with the following information: Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated

条码种类设置

处理时间设置



# 2.1 工作模式设置



工作模式选择

条件选择 (勾选)

Reading Phase : Phase On

- Matrix TCP Server
- Main
- Aux
- Input 1
- Input 2

Trigger Delay: 0 (us)

Delay on Phase: 0 (us)

Configuration | Result | Control

Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated

# 2.2 GOOD READ 设置



The screenshot shows the DATALOGIC software interface for configuring the Good Read function. The interface includes a menu bar (File, Options, Device, Help), a toolbar, and a main workspace. The workspace is divided into several sections:

- Layout Type:** Alone ; Internal Network Role : Slave 0 ; Configuration : [Temp]; Status : Halt ; Reading Phase: Phase Mode
- Good Read Setup : Code Combination** (Right Panel):
  - No Read: Enabled
  - Partial Read: Treat as No Read
  - Multiple Read: Disabled
  - Analysis: Within Phase
  - Send Data On: Analysis Complete
- Code Settings** (Left Panel):
  - Code Settings
    - Image Settings
    - QR
  - Sensors
  - Data Collection Type
    - Code Combination
- Code Combination - (QR)** (Center Panel):
  - Expected Code1: QR (with QR code icon)
  - Output Data Channels:
    - Good Read Message1 → Matrix TCP Server
    - No Read Message2 → Matrix TCP Server
    - Main
    - Aux
    - ID-Net

At the bottom, there is a status bar with the following information: Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated. A small graphic with the Chinese character '中' is visible in the bottom right corner.

# 3.1 数据格式

File Options Device Help

Layout Type : Alone ; Internal Network Role : Slave 0 ; Configuration : [Temp]; Status : Halt ; Reading Phase: Phase Mode

1 Image Setup Code Setup 2 Reading Phase Good Read Setup 3 Data Formatting Output Setup

DATALOGIC

Data Formatting : Message 1

Header <STX>

Terminator <CR><LF>

Code Related Field

Field Type Code Content

Local No Read <CAN>

Local Multiple Read ?

Filling Mode Variable Length

Referenced Label Expected Code 1

Cutting Pattern Type Simple

Remove Leading 0

Remove Trailing 0

Output Channels

Matrix TCP Server

Main

Aux

ID-Net

Event Type

Control

Configuration

Events Result

Device Model : M300N 412-010 LQL-9 RED WIDE STD IP Address : 192.168.3.100 Configuration Schema Release : 9.6.7 User : Installer-Expert Packtrack Calibration : Not Calibrated

中

字符头、尾

条码信息设置



# 3.2 离散IO输出



The screenshot shows the DATALOGIC software interface for configuring discrete IO outputs. The top menu bar includes File, Options, Device, and Help. Below the menu is a toolbar with various icons. The main window is divided into several sections:

- Top Panel:** Shows the current configuration: Layout Type: Alone; Internal Network Role: Slave 0; Configuration: [Temp]; Status: Halt; Reading Phase: Phase Mode. Below this are three numbered steps: 1. Image Setup / Code Setup, 2. Reading Phase / Good Read Setup, and 3. Data Formatting / Output Setup. The 'Output Setup' step is currently active.
- Left Panel (Configuration):** A tree view showing Channels, Fieldbuses, Inputs, and Outputs. Under Outputs, Output 1 is selected and highlighted.
- Center Panel (Result):** A diagram showing the mapping of input conditions to output lines. On the left, under 'Good Read', there are 'Good Read' and 'No Read' conditions. On the right, under 'Output Setup: Output 1', there are 'Output 1', 'Output 2', 'Output 3', 'Green Spot', and 'Red Spot' lines. Arrows indicate that 'Good Read' is mapped to 'Output 1' and 'No Read' is mapped to 'Output 2'.
- Right Panel (Output Setup: Output 1):** A detailed configuration panel for Output 1. It includes:
  - Line Function: General Purpose
  - Active State: Active Closed
  - Number of Events: 1
  - Number of Phases: 1
  - Line Type: NPN
  - Activation section with checkboxes for:
    - Matrix TCP Server
    - Main
    - Aux
    - Input 1
    - Input 2
    - Good Read
    - No Read
    - Phase On
    - Phase Off
  - Deactivation section with checkboxes for:
    - Matrix TCP Server
    - Main
    - Aux

Two callout boxes provide additional information:

- A blue callout box at the top right contains the text "输出端口设置" (Output Port Settings).
- A blue callout box on the right side contains the text "输出条件选择 (勾选)" (Output Condition Selection (Check)), pointing to the 'No Read' checkbox in the Activation section.

At the bottom of the interface, a status bar displays: Device Model: M300N 412-010 LQL-9 RED WIDE STD IP Address: 192.168.3.100 Configuration Schema Release: 9.6.7 User: Installer-Expert Packtrack Calibration: Not Calibrated DL.CODE 1.3.0.122

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